WESTERN PLAIN REGION 1986

Stuart F. Smith

Department of Agricultural Economics New York State College of Agriculture and Life Sciences A Statutory College of the State University Cornell University, Ithaca, New York 14853

1986 DAIRY FARM BUSINESS SUMMARY Western Plain Region*

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 business and financial summary and analysis of his or her farm business. The information in this report represents an average of all the data submitted from farms in 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 decisionmaking techniques. In short, DFBS identifies the business and financial information farmers need and demonstrates how to use it in identifying and evaluating the strengths and weaknesses of the farm business.

Format Features

This regional report follows the same general format as in the 1986 DFBS printout received by all participating dairy farmers. Worksheets have been included to give non-DFBS participants an opportunity to summarize their businesses. The analysis tables include an open column or section labeled <u>My</u> <u>Farm</u>. It may be used by any dairy farmer who wants to compare his or her business with the average data of this region.

The summary section of this report features accrual accounting for farm business expenses and receipts, measures of profitability with and without appreciation, a complete balance sheet including analysis, and a cash flow summary and analysis. The farm resources are examined and evaluated in the analysis section which features crop production costs, cost of producing milk, and capital and labor efficiency.

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 70 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 report was written by Stuart F. Smith, Senior Extension Associate, Farm Management. Linda Putnam was in charge of data preparation. Cindy Farrell and Beverly Carcelli prepared the publication. Farm Business data was collected by Cooperative Extension agents Merville Button and David Thorp and regional specialist George Allhusen.

^{*}The Western Plain Region of New York State, with the number of participating farms in parentheses, is comprised of Erie (5), Genesee (10), Livingston (11), Monroe (2), Niagara (3), Orleans (5), and Wyoming (15) counties.

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 51 Western Plain Dairy Farms, 1986

<u>Type of Farm</u> Dairy Part-time dairy Dairy cash-crop Part-time cash-crop dairy	<u>Number</u> 42 2 7 0	<u>Type of Business</u> Single proprietorship Partnership Corporation Other	<u>Number</u> 25 21 5 0
Type of Ownership	Number	Type of Barn	Number
Owner	45	Stanchion	17
Renter	6	Freestall	33
		Other	1
Milking System	Number	Business Record System	Number
Bucket & carry	0	ELFAC	5
Dumping station	3	Account Book	19
Pipeline	16	Agrifax (mail-in only)	14
Herringbone parlor	27	On-Farm Computer	8
Other parlor	5	Other	5
Production Records	Number		Number
DHIC	35	Other	4
0.5.	11	None	1

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.

<u>A part-time farm</u> has less than six months of labor from all operators and total labor is less than 12 months.

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

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

<u>Dairy Termination Program participants</u> that sold their cows in 1986 are not included in the report.

Income Statement

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

n T.	Cash	Change in	Change in	Accrual
Expense Item	Paid +	Inventory* +	Accounts Payable	- Expenses
<u>Hired Labor</u>	\$ 46,100		\$ -118	\$ 45,982
Feed				
Dairy grain & conc.	69,573	\$ -3,412	132	66,293
Dairy roughage	2,810	-968	1,442	3,284
Other livestock	1,000	-1 .	0	999
Machinery				
Mach. hire, rent/lease	3,800		- 3	3,797
Machinery repairs/parts	17,254	-84	29	17,199
Auto exp. (farm share)	369		0	369
Fuel, oil & grease	9,320	-89	-288	8,943
Livestock				
Replacement livestock	2,954		0	2,954
Breeding	5,442	72	- 203	5,311
Vet & medicine	8,623	- 37	-121	8,465
Milk marketing	20,393		43	20,436
Cattle lease/rent	62		0	62
Other livestock expense	13,473	296	-27	13,742
Crops				•
Fertilizer & lime	12,346	-69	- 328	11,949
Seeds & plants	6,975	-428	-67	6,480
Spray, other crop exp.	5,935	292	-18	6,209
Real Estate				
Land/bldg./fence repair	4,133	-36	63	4,160
Taxes	5,636		17	5,653
Insurance	4,960		41	5,001
Rent & lease	9,782		~53	9,729
<u>Other</u>				
Telephone (farm share)	702		0	702
Electricity (farm share)) 7,573		9	7,582
Interest paid	26,179		100	26,279
Miscellaneous	3,613	745	- 102	4,256
Total Operating	\$289,007	\$ -3,719	\$ 548	\$285,836
Expansion livestock	3,968		-7	3,961
Machinery depreciation				26,956
Building depreciation				12,947
TOTAL ACCRUAL EXPENSES				\$329,700

CASH AND ACCRUAL FARM EXPENSES

*An increase in inventory is a negative number since it represents purchased inputs not used and must be subtracted in arriving at accrual expenses.

 $\underline{Cash \ paid}$ is the actual amount of money paid out during the year and does not necessarily represent the cost of goods and services actually used.

<u>Accrual expenses</u> 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 expenses and compare it with the averages on the previous page.

CASH AND ACCRUAL	FARM	EXPENSES	WORKSHEET
------------------	------	----------	-----------

Expense Item	Cash Paid	+	Change in Inventory	+	Change in Accounts Payable	Accrual - Expenses
Hired Labor	\$				\$	\$
Feed	٩				۷	۲
			ċ			
Dairy grain & conc.			\$		·····	
Dairy roughage Other livestock	·					
		_				
Machinery						
Mach. hire, rent/lease						
Machinery repairs/parts						
Auto exp. (farm share)						
Fuel, oil & grease			. <u> </u>			
Livestock						
Replacement livestock						
Breeding						
Vet & medicine		_				
Milk marketing						
Cattle lease/rent						
Other livestock expense						
Crops						
Fertilizer & lime	A					
Seeds & plants						
Spray, other crop exp.						
<u>Real Estate</u>						
Land/bldg./fence repair						
Taxes						
Insurance						
Rent & lease						
<u>Other</u>						
Telephone (farm share)						
Electricity (farm share)					
Interest paid						
Miscellaneous						
Total Operating	\$		\$		\$	\$
Expansion livestock	·					·
Machinery depreciation						
Building depreciation						
TOTAL ACCRUAL EXPENSES						Ś

<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.

<u>Change in Inventory</u>: An increase in inventory must be subtracted in computing accrual expenses because it represents purchased inputs not actually used during the year. A decrease in inventory is added to expenses because it represents the cost of inputs purchased in a prior year and used this year.

<u>Change in Accounts Payable</u>: An increase in payables is added and a decrease is subtracted when calculating accrual expenses.

<u>Accrual Expenses</u> are the costs of inputs actually used in this year's production.

Cash		Change in		Change in Accounts		Accrual
Receipts	+	Inventory	+	Receivable	+	Receipts
\$326,222				\$ 1,958		\$328,180
20,866	5	\$8,283		47		29,196
4,077				0		4,077
669		94		0		763
10,191		677		19		10,887
8,148				277		8,425
471				55		526
287				3		290
2,861				-157		2,704
*		11				11
\$373,792	:	\$ 9,043		\$2,202		\$385,037
	Receipts \$326,222 20,866 4,077 669 10,191 8,148 471 287 2,861 *	Receipts + \$326,222 20,866 4,077 669 10,191 8,148 471 287 2.861 *	Receipts + Inventory \$326,222 20,866 \$ 8,283 4,077 669 94 10,191 677 8,148 471 287 2.861 * 11	Receipts + Inventory + \$326,222 20,866 \$ 8,283 4,077 669 94 10,191 677 8,148 471 287 2.861 * 11	Cash Change in Accounts Receipts + Inventory + Receivable \$326,222 \$ 1,958 20,866 \$ 8,283 47 4,077 0 0 669 94 0 10,191 677 19 8,148 277 471 55 287 3	Cash Change in Accounts Receipts + Inventory + Receivable + \$326,222 \$ 1,958 20,866 \$ 8,283 47 4,077 0 669 94 0 10,191 677 19 8,148 277 471 55 287 3

CASH AND ACCRUAL FARM RECEIPTS 51 Western Plain Dairy Farms, 1986

*Gifts or inheritances of cattle or crops included in inventory or used in the business.

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

<u>Accrual receipts</u> represent the value of all farm commodities produced and services actually provided by the farmer during the year. Increases in livestock inventory caused by herd growth and/or quality, are added and decreases caused by herd reduction are subtracted. 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 <u>Receivable</u>	+	Accrual <u>Receipts</u>
Milk sales Dairy cattle Dairy calves Other livestock Crops Government receipts Custom machine work Gas tax refund Other Less gifts of cattle & cre	\$ 		\$		\$		\$
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 <u>excluding</u> <u>appreciation</u>. The changes in inventories caused by changing 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.

<u>Net farm income</u> is the total combined return to the farm operators 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 values caused by changes in prices during the year of livestock, machinery, real estate inventory, and stocks and certificates (other than FLB and PCA). Appreciation is a major factor contributing to changes in farm net worth and must be included in the profitability analysis.

NET FARM INCOME 51 Western Plain Dairy Farms, 1986

Item	Average	My Farm
Total accrual receipts	\$385,037	\$
Appreciation: Livestock	-131	
Machinery	3,762	
Real Estate	9,168	
Other Stocks/Certificates	476	
Total Including Appreciation	\$398,312	\$
Total accrual expenses	329,700	•
Net Farm Income (with appreciation)	68,612	\$
Net Farm Income (without appreciation)	55,337	\$

<u>Return to operators' labor, management, and equity capital</u> measures the total business profits for the farm operators. It is calculated by deducting a charge for unpaid family labor from net farm income. Operators' labor is not included in unpaid family labor. Return to operators' 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	OPERATORS'	LABOR,	MANAGEMENT	, AND	EQUITY
53	l Western P	lain Dai	ry Farms,	1986	

	Ave	rage	My	Farm
Item	With Apprec.	Without Apprec.	With Apprec.	Without Apprec.
Net farm income	\$ 68,612	\$ 55,337	\$	\$
Family labor unpaid @ \$600 per month	1,200	- <u>1,200</u>		
Return to operators' labor, management, & equity	\$ 67,412	\$ 54,137	\$	\$

Labor and management income is the share of net farm income without appreciation returned to the operators' 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 operators' 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.

Labor and management income per operator measures the return to each operator's labor and management.

LABOR AND MANAGEMENT INCOME 51 Western Plain Dairy Farms, 1986

Item	Average	My Farm
Return to operators' labor, management, & equity without appreciation	\$ 54,137	\$
Real interest @ 5% on \$520,720 average equity capital	- 26.036	
Labor & Management Income	\$ 28,101	\$
Labor & Management Income per 1.58 Operator/Managers	\$ 17,748	\$

<u>Return on equity capital</u> 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 operators' 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 average farm net worth or equity capital.

RETURN ON EQUITY CAPITAL 51 Western Plain Dairy Farms, 1986

Item	Average	My Farm
Return to operators' labor, management, & equity capital with appreciation	\$ 67,412	\$
Value of operators' labor & management	- 32,636	
Return on equity capital with appreciation	\$ 34,776	\$
Rate of return on equity capital with appreciation	6.7%	
Return on equity capital without appreciation	\$ 21,501	\$
Rate of return without appreciation	4.1%	

. ..

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.

			Farm Liabilities		·····		
Farm Assets	Ten 1	Dec. 31	& Net Worth	Jan, 1	Dec. 31		
raim Assets			a net worten	<u> </u>	<u></u>		
Current			<u>Current</u>				
Farm cash, checki			Accounts payable	\$ 6,418	\$ 7,051		
& savings	\$ 4,719	\$ 6,422	Operating debt	8,390	11,955		
Accounts rec.	28,268	30,977	Short-term	4.559	6,483		
Feed & supplies	<u>77,581</u>	<u>81,977</u>					
Total	\$110,568	\$119,376	Total	\$ 19,367	\$ 25,489		
<u>Intermediate</u>			<u>Intermediate</u>				
Dairy cows:				\$133,085	\$134,147		
owned	\$117,247	\$122,561					
leased	0	0					
Heifers	54,017	56,840					
Bulls/other lvstk		1,611					
Mach./eq. owned		157,617	Financial lease				
Mach./eq. leased	1,079	908	(cattle/mach.)	1,079	908		
FLB/PCA stock	7,135	7,221	FLB/PCA stock	7,135	7,221		
Coop stock & cert		32,278	,				
Total	\$358,112	\$379,036	Total	\$141,299	\$142,277		
Long-Term	,, 	<i></i>	Long-Term	+=-=,=>>	4- · · · , - · · ·		
Land/buildings:			10116 1011	\$127,140	\$137,687		
owned	\$326,180	\$341,426	Financial lease	4220,200	4107,007		
leased			(structures)	0	0		
Total	0 \$326,180	\$ <u>341,426</u>	Total	\$ <u>127,140</u>	\$137,687		
20002	4520,200	4072,720	10001	Y127,140	<i>4137,007</i>		
Total Farm Assets	\$794 860	\$839,838	Total Farm Liab.	\$287,806	\$305,452		
roout rurm nobood	<i>q, , , , , , , , , , , , , , , , , , , </i>	<i>4057</i> ,050	FARM NET WORTH	\$507,054	\$534,386		
••••••••••••••••••••••••••••••••••••••					~~~		
(Average for 24 f			Nonfarm Liabilit	ies			
Nonfarm Assets	<u> Jan. 1 </u>	<u>Dec. 31</u>	& Net Worth	<u>Jan. 1</u>	<u>Dec. 31</u>		
Personal cash, ch	kg.		Nonfarm Liab.	\$ 1,324	\$ 1,409		
& savings	\$ 7,642	\$ 9,426	NONFARM NET WORT		\$ 40,711		
Cash value life i	• •			μ γ 07,400	Y 40,711		
Nonfarm real esta		•	FARM & NONFARM*	Jan, 1	Dec, 31		
Auto (personal sh			Total Assets	\$833,619	\$881,958		
Stocks & bonds	2,124		Total Liabilitie		306,861		
Household furn.	8,321		I I I I I I I I I I I I I I I I I I I	.5 <u>207,130</u>	200,001		
All other	855		TOTAL FARM & NON	ſ_			
Total Nonfarm			FARM NET WORTH		\$575,097		
*Assumes that average nonfarm assets and liabilities for the nonreporting							

1	986	FARM	BUSIN	ESS 8	k NON	FARM	BALANCE	SH	EET
51	Wes	tern	Plain	Dair	y Far	cms, .	January	1,	1987

*Assumes that average nonfarm assets and liabilities for the nonreporting farms were the same as for those reporting.

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

Date _____

Farm Assets	Jan. 1	Dec. 31	Farm Liabilities & Net Worth	Jan. 1	Dec. 31
raim Apacta	Jan, 1		u net worten	<u> </u>	<u></u>
Current			<u>Current</u>		
Farm cash, checking	<u>.</u>		Accounts payable		
& savings			Operating debt		
Accounts rec.		AUT	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		
FLB/PCA stock			(cattle/mach.)		
Coop stock & cert.			FLB/PCA stock		
Total	······	······································	Total		
Long-Term			Long-Term		
Land/buildings:					
owned					
leased					
Total			Financial lease		
			(structures)		
			Total		
Total Farm Assets			Total Farm Liab.		
			FARM NET WORTH		
			Nonfarm Liabilities		
Nonfarm Assets	<u>Jan. 1</u>	Dec. 31	& Net Worth	<u>Jan, 1</u>	<u>Dec. 31</u>
Democrat cash shine	_		Nonfarm Liab.:		
Personal cash, chkg	*				
& savings Cash value					
life ins.					
Nonfarm real est.			Total Narfarm		
Auto (pers. share)			Total Nonfarm		
Stocks & bonds			Liabilities		
Household furn.			Norform		
All other Total Nonfarm		·····	Nonfarm Net Worth		
TOTAL FARM & NONFAR			Jan. 1	Dec.	31
				Dec.	<u>````</u>
Total Farm & Nonfar Less Total Farm & N		abilities			

Farm & Nonfarm Net Worth

1986 FARM BUSINESS & NONFARM BALANCE SHEET

9

<u>Balance sheet analysis</u> requires an examination of financial and debt ratios and other 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. Debt analysis ratios show how well 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 51 Western Plain Dairy Farms, January 1, 1987

Item		Ave	cage	My Farm
<u>Financial Ratios - Farm</u> :				
Percent equity			54%	8
Debt/asset ratio: total		0.1	36	
long-term		0.4	40	
intermediat	e/current	0.3	34	
Change in Net Worth:	·			
Without appreciation		\$ 14,0	57	\$
With appreciation		\$ 27,3	32	\$
Farm Debt Analysis:				
Accounts payable as % of tota	1 debt		28	8
Long-term liabilities as a %	bt d	45%	8	
Current & inter. liab. as a %	of total d	lebt !	55%	§
		Per Tillable		Per Tillable
Farm Debt Levels:	Per Cow	Acre Owned	Per Cow	Acre Owned
Total farm debt	\$ 2,064	\$ 1,222	S	Ś
Long-term debt	930	551	•	
Intermediate & current debt	1,134	671		

The <u>Farm Inventory Balance</u> is an accounting of the value of 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	INVENT	CORY BA	LANCE	
51	Western	Plain	Dairy	Farms,	1986

R.E. Mach./Eq. R.E. Value beg. of year \$326,180 \$155,888 \$ Purchases \$ 25,620* \$ 25,697 \$ Gift/inheritance + 3,844 + 0 +	<u>Mach./Eq.</u> \$ \$
Purchases \$ 25,620* \$ 25,697 \$	\$ \$
	\$
Gift/inheritance + 3,844 + 0 +	
	+
Lost capital - 10,145	
Sales - 265 - 774 -	-
Depreciation - <u>12,947</u> - <u>26,956</u> -	-
Net investment \$+ 6,107 \$+ -2,033 \$+	\$+
Appreciation + <u>9,139</u> ** + <u>3,762</u> +	+
Value end of year \$341,426 \$157,617 \$	\$

* \$ 1,921 land and \$ 23,699 buildings and/or depreciable improvements. **Excludes \$29 of appreciation on assets sold during the year.

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> is structured to compare all the cash inflows with all the cash outflows for the year. A complete list of cash inflows and cash outflows are identified in the following table. 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.

Item Average <u>My Farm</u> Cash Inflows \$_____ Beginning farm cash, checking & savings \$ 4,719 373,792 Cash farm receipts Sale of assets: Machinery 774 284 Real estate Other stock & certificate 4,162 Money borrowed (intermediate & long-term) 82,390 Money borrowed (short-term) 7,535 Increase in operating debt 3,565 Nonfarm income 2,947 Cash from nonfarm capital used in the business 885 Money borrowed - nonfarm <u>278</u> Total \$481,332 \$_____ Cash Outflows Cash farm expenses \$289,004 Capital purchases: Expansion livestock 3,968 Machinery 25,697 Real estate 25,620 Other stock & certificate 14,720 Principal payments (intermediate & long-term) 70,781 Principal payments (short-term) 5,611 Decrease in operating debt 0 Nonfarm debt payments 306 Personal withdrawals & family expenditures 33,390 Ending farm cash, checking & savings 6,422 Total \$475,520 \$__ \$ 5,812 Imbalance (error) \$____

ANNUAL CASH FLOW STATEMENT 51 Western Plain Dairy Farms, 1986

.

<u>Repayment Analysis</u>

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.

		Average		M	ly Farm	
	1986 Pa	ayments	Planned	<u>1986 Pay</u>	ments	Planned
Debt Payments	Planned	Made	1987	Planned	Made	1987
Long-term	\$ 21,390	\$ 41,710	\$ 20,768	\$	\$	\$
Intermediate-term	45,302	69,066	40,131			
Short-term	7,466	•			4	
Operating (net		·	·			
reduction)	674	0	717			
Accounts payable						
(net reduction)	2,508	3,633	4,590			
Total	\$ 77,339	\$121,883	\$ 72,519	\$	\$	\$\$
Per cow	\$ 480	\$ 756		ŝ	ŝ	
Per cwt. 1986 milk				Ś	\$	-
Percent of total	•	•		·	·	-
1986 receipts	18	8 28	8			
Percent of 1986						-
milk receipts	21	8 33	ક			

FARM DEBT PAYMENTS PLANNED Same 37 Western Plain Dairy Farms, 1985 & 1986

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 planned debt payments for 1987.

> CASH FLOW COVERAGE RATIO Same 37 Western Plain Dairy Farms, 1985 & 1986

Item	Average	My Farm
Cash farm receipts	\$421,158	\$
- Cash farm expenses	325,962	
+ Interest paid	30,423	<u></u>
- Net personal withdrawals from farm*	34,043	
(A) - Amount Available for Debt Service	\$ 91,576	\$
(B) - Debt Payments Planned for 1986	\$ 77,339	\$
(A ÷ B) = Cash Flow Coverage Ratio for 1986	1.18	

*Personal withdrawals and family expenditures less nonfarm income and nonfarm money borrowed. 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.

Item		A1	verage			My Farm	
<u>Land</u> Tillable Nontillable Other nontillable Total		50 2 20 74	ented 215 15 13 243	<u>Total</u> 466 36 <u>86</u> 587	<u>Owned</u>	<u>Rented</u>	<u>Total</u>
Crop Yields	<u>Farms</u>	<u>Acres</u>	Prod/	Acre	Acre	s Prod	/Acre
Hay crop	51	181	3.2	l tn DM			tn DM
Corn silage	49	113	15.6	4 tn			tn
-			5.3	0 tn DM			tn DM
Other forage	12	20	1.7	1 tn DM			tn DM
Total forage	51	294	3.9	6 tn DM	<u></u>		tn DM
Corn grain	46	103	110.2	8 bu			- bu
Oats	23	33	73.7	2 bu			bu
Wheat	22	42	52.4	8 bu			bu
Other crops	20	33					
Tillable pasture	15	21					
Idle	29	46			And the second se		
Total Tillable Acres	51	465					

LAND RESOURCES AND CROP PRODUCTION 51 Western Plain Dairy Farms, 1986

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	MANAGE	MENT F	ACTORS	
51	Western	Plain	Dairy	Farms,	1986

Item	Average	My Farm
Total tillable acres per cow	3.24	
Total forage acres per cow	2,05	
Harvested forage dry matter, tons per cow	8.11	

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.

	Total			Co	<u>rn</u>	
	Per	Hay	Crop		Per Ton	Other
	Till .	Per	Per	Per	Silage	Crops
Item	Acre	Acre	Ton DM	Acre	Equiv.*	Per Acre
Number of farms						
reporting	51		35		35	25
Average number						
of acres	465		158	1	64	67
Fertilizer & lime \$	\$ 25.67	\$ 17.56	\$ 5.74	\$ 39.11	\$ 2.36	\$ 19.34
Seeds & plants	13.92	9.23	3.02	20.17	1.22	12.52
Spray & other crop						
expense	<u>13,34</u>	4.75		24,22	1.46	14,18
Total	52.93	\$ 31.55	\$ 10.32	\$ 83.50	\$ 5.03	\$ 46.05
<u>My Farm</u> :						
Fertilizer & lime Seeds & plants Spray & other crop	\$	\$	\$	\$	\$	\$
expense Total	\$	\$	\$	\$	\$	\$

CROP RELATED ACCRUAL EXPENSES Western Plain Dairy Farms Reporting, 1986

*Corn grain converted to silage equivalent using 5.88 bushels of dry shell equivalent to equal one ton of corn silage as fed.

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 51 Western Plain Dairy Farms, 1986

	Ave	rage	My Farm		
Machinery	Total	Per Til.	Total	Per Til.	
Expense Item	Expenses	Acre	Expenses	Acre	
Fuel, oil & grease	\$ 8,943	\$ 19.21	\$	\$	
Machinery repairs & parts	17,199	36.95			
Machine hire, rent & lease	3,797	8.16			
Auto expense (farm share)	369	0.79			
Interest (5%)	7,838	16.84	·····		
Depreciation	26,956	57,91			
Total	\$ 65,103	\$ 139.86	\$	\$	

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.

	Daiı	cy Cows	He	ifers
Item	Number	Value	Number	Value
Beginning of year (owned)	141	\$117,247	121	\$ 54,017
+ Change without appreciation		5,072		3,211
+ Appreciation		242		- 388
End of year (owned)	147	\$122,561	129	\$ 56,840
End including leased	148			
Average number	144		126	
<u>My Farm</u> :				
Beginning of year (owned)		\$		\$
+ Change without appreciation				
+ Appreciation		·····		
End of year (owned)				
End including leased	· · · · · · · · · · · · · · · · · · ·			
Average number		\$		\$

	DAIH	RY HERI) INVE	NTORY	
51	Western	Plain	Dairy	Farms,	1986

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 51 Western Plain Dairy Farms, 1986

Item	Average	My Farm
Total milk sold, lbs.	2,574,542	
Milk sold per cow, lbs.	17,940	
Average milk plant test, percent butterfat	3.37	

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, <u>operating costs of</u> <u>producing milk</u> are estimated by deducting nonmilk accrual receipts from total accrual operating expenses. <u>Total costs of producing milk</u> include the operating costs plus expansion livestock purchased, depreciation on machinery and buildings, the value of operators' 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 calculation.

ACCRUAL	RECEIPTS	FROM	DAIRY	AND	COST	OF	PRODUCING	MILK
	51 Wes	tern 1	Plain	Dairy	Farm	ns,	1986	

			Average					My Farm	
Item	Total	P	er Cow	P	er Cwt.		Total	Per Cow	Per Cwt.
<u>Accrual Receipts</u> Milk Dairy cattle Dairy calves	\$328,180 29,196 4,077	\$	2,287 203 <u>28</u>	\$	12.75 1.13 0.16	\$		\$	\$
Total	\$361,453	\$		\$	14.04	\$		\$	\$
Accrual Costs of Producing Milk Operating costs Total costs w/o	\$228,979	\$	1,596	\$	8.89	\$		\$	\$
opers' labor, mgmt. & capital Total Costs	\$274,043 \$332,715				10.64 12.92	\$ \$		\$ \$	\$ \$

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.

			Average			My Farm		
Item	Pe	er Cow	_	Per	Cwt.	Per Cow		Per Cwt
Purchased dairy grain								
& concentrates	\$	462	\$	2	. 57	\$		\$
Purchased dairy roughage	_	23	_	0	.13			•
Total Purchased			_					
Dairy Feed	\$	485	\$	2	.70	\$		\$
Purchased grain & conc.			·			•		
as % of milk receipts			20%				*	
Purchased feed & crop exp.	\$	657	\$	3	. 66	\$		\$
Purchased feed & crop exp.								·
as % of milk receipts			29%				8	
Breeding	\$	37	\$	0	. 21	\$		\$
Veterinary & medicine		59	·	0	. 33	• <u></u>		•
Milk marketing		142		0	. 79			
Cattle lease		0		0	. 00	·····		
Other livestock expense		96		0	. 53			

DAIRY RELATED ACCRUAL EXPENSES 51 Western Plain Dairy Farms, 1986

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 51 Western Plain Dairy Farms, 1986

Item	Per Worker	Per Cow_	Per Tillable Acre	Per Tillable Acre Owned
Farm capital Real estate	\$181,633	2,326	\$ 1,756	\$ 3,269 1,335
Machinery & equipment Capital turnover, years	35,055 2	1,099 .05	339	
<u>My Farm</u> : Farm capital Real estate Machinery & equipment Capital turnover, years	\$	\$ 	\$	\$

LABOR	FORCE	INVEN	ITORY	AND	ANAI	LYSIS
51 Wes	stern 1	Plain	Dairy	Fai	ms,	1986

Labor Force	Months	Age	Years of of Educ.	Value of Labor & Mgmt.
Operator number 1	12	46	14	\$ 20,883
Operator number 2	5	42	14	8,753
Operator number 3	2	30	12	3,000
Family paid	5			,
Family unpaid	2			
Hired	28			
Total	54	+ 12 -	4.50 Worker H	Iquivalent
				/Manager Equiv.
<u>My Farm</u> : Total		+ 12 =	Worker Eq	uivalent

My Farm: Total+ 12 =Worker EquivalentOperator's+ 12 =Operator/Manager Equiv.

Labor	Av	erage	My Farm		
Efficiency	<u> </u>	Per Worker	Total	Per Worker	
Cows, average number	144	32			
Milk sold, pounds	2,574,542	572,120	······		
Tillable acres	465	103			
Work units	1,569	349			

	Ave			ge		My Fai	rm		
		Per		Per Per		Per	Per		
Labor Costs	Total	C	OW	<u>Til. Acre</u>	Total	Cow	<u>Til. Acre</u>		
Value of operator(s)									
labor (\$850/mo.)	\$ 16,150	\$	113	\$ 34.70	\$	\$	\$		
Family unpd. (\$600/mo	.) 1,200		8	2.58			· · · · · · · · · · · · · · · · · · ·		
Hired	45,982		320	<u>98.78</u>					
Total Labor	\$ 63,331	\$	441	\$136.06	\$	\$	\$		
Machinery Cost	\$ 65,103	\$	454	\$139.86	\$	\$	\$		
Total Labor & Mach.	\$128,434	\$	895	\$275.92	\$	\$	\$		

Item		verage	T	otal	rarm Per	Con	Expected	1987 Projectio
		(per cow		ULAL	161	<u></u>	Unange	TIUJECCI
Average number of cows	•	144	,					
Accrual Oper. Receipts		744						
	¢	0 007	è		è			¢
Milk	\$	2,287	<u>ې</u>		\$			₹
Dairy cattle		203						
Dairy calves		28						
Other livestock		5						
Crops		76						
Misc. receipts	_	83						
Total	\$	2,683	\$		\$			\$
Accrual Oper. Expenses								
Hired labor	\$	320	\$		\$			\$
Dairy grain & conc.	1	462	·		1			•
Dairy roughage		23			<u> </u>			
Other lystk. feed		7						
Mach. hire/rent/lease		26						
• •								·····
Mach. rpr./parts & auto		122						
Fuel, oil & grease		62						
Replacement lvstk.		21						
Breeding		37						
Vet & medicine		59						
Milk marketing		142						
Cattle lease		0						
Other lvstk. exp.		96						
Fertilizer & lime		83						
Seeds & plants		45						·····
Spray/other crop exp.		43						···· , ······
Land, bldg., fence repair		29						······································
Taxes		39						
Insurance		35				·		
Real est. rent/lease		68						
Utilities		58						
Miscellaneous		30						
	~							
Total Less Int. Paid	Ş	1,809						\$
Net Accrual Operating Inco	me	•	tal)					¢
(without interest paid)		\$125	-					₽
- Change in lvstk./crop in	IV.		,043					
- Change in accts. rec.			,202					
+ Change in feed/supply in		- 3	,719					
+ Change in accts. payable NET CASH FLOW	*	\$110	<u>449</u> 976					\$
- Net personal withdrawals	.	4.10	, , , , ,	¥				۲
family expenditures	s or	30	.165					
Available for Debt Payment	· c						·····	
	.э,	è 00	011	ć				¢
Investments & Savings		\$ 80						₽
- Farm Debt Payments Available for Investment		104	.128				<u></u>	
& Savings		\$-23	.317	Ş				Ś
- Capital Purchases: cattl	6	¥ ~ 23	,/	Y				۲
machinery & improvements		\$69	000					
	•	עס ק	, , , , 0	<u> </u>				¢
Additional Capital Needed				2				<u>ې</u>

*Less change in account payable for interest.

~~~

## 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 37 Western Plain Dairy Farms, 1985 & 1986

|                             |      | Ave         | ra |         |    | My Farm |                |                                        |
|-----------------------------|------|-------------|----|---------|----|---------|----------------|----------------------------------------|
| Selected Factors            |      | <u>1985</u> |    | 1986    |    | 1985    | 1986           | Goal                                   |
|                             |      |             |    |         |    |         |                |                                        |
| <u>Size of Business</u>     |      |             |    |         |    |         |                |                                        |
| Average number of cows      |      | 155         |    | 161     |    |         |                |                                        |
| Average number of heifers   |      | 134         |    | 142     |    |         |                |                                        |
|                             | 2,72 |             |    | 935,726 |    |         |                |                                        |
| Worker equivalent           |      | 4.61        |    | 4.83    |    |         |                |                                        |
| Total tillable acres        |      | 482         |    | 498     |    |         |                | K                                      |
| <u>Rates of Production</u>  |      |             |    |         |    |         |                |                                        |
| Milk sold per cow, 1bs.     | -    | 17,636      |    | 18,204  |    |         |                |                                        |
| Hay DM per acre, tons       |      | 3.46        |    | 3.25    |    |         |                |                                        |
| Corn silage per acre, tons  |      | 15          |    | 16      |    |         | ····           | ······································ |
| Labor Efficiency            |      |             |    |         |    |         |                |                                        |
| Cows per worker             |      | 34          |    | 33      |    |         |                |                                        |
| Milk sold/worker, lbs.      | c /  | 91,646      |    | 507,392 |    |         |                | •                                      |
| MIIK Sold/worker, ibs.      | 5    | 91,040      |    | 507,592 |    |         |                |                                        |
| Cost Control                |      |             |    |         |    |         |                |                                        |
| Grain & conc. purchased     |      |             |    |         |    |         |                |                                        |
| as % of milk sales          |      | 208         | \$ | 21%     |    |         | <u> </u>       | ;                                      |
| Dairy feed & crop exp.      |      |             |    |         |    |         |                |                                        |
| per cwt. milk               | \$   | 3.75        | \$ | 3.63    | \$ |         | \$<br>\$       | \$                                     |
| Labor & mach. costs/cow     | \$   | 883         | \$ | 885     | \$ |         | \$             | \$                                     |
| <u>Capital_Efficiency</u> * |      |             |    |         |    |         |                |                                        |
| Farm capital per cow        | \$   | 5,710       | \$ | 5,691   | \$ |         | S              | Ś                                      |
| Real estate per cow         |      | 2,311       |    | 2,309   | Ś  |         | Ś              | Ś                                      |
| Mach. & equip, per cow      | ŝ    |             |    |         | s  |         | \$<br>\$<br>\$ | - +<br>\$                              |
| Capital turnover, years     | Ŧ    | 2.17        | Ŷ  | 2.04    | Υ  |         | Y              | _ Y                                    |
| Sapital turnover, years     |      | 2.1/        |    | 2.04    |    |         | N-1100         |                                        |
| Profitability               | •    |             | ~  |         | •  |         |                |                                        |
| Net farm inc. w/o apprec.   |      | 59,236      | -  | 65,601  | ş  |         | ş              | _ \$                                   |
| Net farm inc. w/apprec.     |      | 52,253      |    | 78,682  | ş  |         | \$<br>\$       | \$\$                                   |
| Labor & mgmt. income        | Ş :  | 30,835      | Ş  | 35,520  | Ş  |         | ş              | \$                                     |
| Rate of return on eq.       |      |             |    |         |    |         |                |                                        |
| capital w/apprec.           |      | 3.659       | ł  | 7.36%   |    |         | <u> </u>       | s                                      |
| Financial Summary           |      |             |    |         |    |         |                |                                        |
| Farm net worth, end year    | \$5  | 51,088      | Ŝ  | 593,763 | \$ |         | \$             | ŝ                                      |
| Debt to asset ratio         | 7.5. | 0.37        |    | 0.37    | т  |         | т              | т. <u>,</u>                            |
| Farm debt per cow           | Ş    |             |    |         | \$ |         | \$             | \$                                     |
| THIM GODE FOR COM           | Y    | ~,011       | Ŷ  | 2,104   | ۷  |         | Υ              | - Y                                    |

\*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 404 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 <u>not</u> necessarily be the same farms which make up the top 10 percent for any other factor.

The cost control factors are ranked from low to high, but the <u>lowest cost</u> 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.

| Size             | of Bus     | iness                  | Rates               | of Produ         | <u>ction</u> | Labor       | Efficiency          |
|------------------|------------|------------------------|---------------------|------------------|--------------|-------------|---------------------|
| Worker<br>Equiv- | No.<br>of  | Pounds<br>Milk         | Pounds<br>Milk Sold | Tons<br>Hay Crop | · · · · · ·  | Cows<br>Per | Pounds<br>Milk Sold |
| <u>alent</u>     | Cows       | Sold                   | Per Cow             | DM/Acre          | Per Acre     | Worker      | Per Worker          |
| 6.8              | 252        | 4,319,504              | 18,980              | 4.6              | 21           | 48          | 747,314             |
| 4.4<br>3.5       | 134<br>101 | 2,108,684<br>1,596,188 | 17,551<br>16,655    | 3.6<br>3.1       | 18<br>16     | 37<br>33    | 575,840<br>516,053  |
| 3.1<br>2.8       | 85<br>73   | 1,304,015<br>1,128,297 | 16,116<br>15,543    | 2.9<br>2.6       | 15<br>15     | 31<br>29    | 472,387<br>432,993  |
| 2.5              | 65         | 972,841                | 14,953              | 2.4              | 14           | 26          | 400,211             |
| 2.3              | 58         | 824,836                | 14,399              | 2.2              | 13           | 24          | 367,373             |
| 2.0              | 50         | 725,500                | 13,682              | 2.0              | 12           | 23          | 330,625             |
| 1.8              | 44         | 628,376                | 12,849              | 1.7              | 10           | 20          | 290,454             |
| 1.4              | 34         | 466,272                | 11,055              | 1.3              | 8            | 16          | 215,433             |

FARM BUSINESS CHART FOR FARM MANAGEMENT COOPERATORS 404 New York Dairy Farms, 1985

| · · ·     | Cost Control                          |               |        |                                    |                                          |  |  |  |
|-----------|---------------------------------------|---------------|--------|------------------------------------|------------------------------------------|--|--|--|
| Bought of | <pre>% Feed is of Milk Receipts</pre> | of Milk Costs |        | Feed & Crop<br>Expenses<br>Per Cow | Feed & Crop<br>Expenses Per<br>Cwt. Milk |  |  |  |
| \$185     | 10%                                   | \$212         | \$ 503 | \$375                              | \$2.52                                   |  |  |  |
| 288       | 15                                    | 282           | 605    | 464                                | 3.23                                     |  |  |  |
| 352       | 18                                    | 326           | 670    | 525                                | 3.60                                     |  |  |  |
| 397       | 21                                    | 370           | 726    | 567                                | 3.87                                     |  |  |  |
| 439       | 23                                    | 404           | 783    | 605                                | 4.10                                     |  |  |  |
| 476       | 25                                    | 435           | 832    | 647                                | 4.31                                     |  |  |  |
| 518       | 27                                    | 471           | 882    | 683                                | 4.48                                     |  |  |  |
| 562       | 28                                    | 516           | 956    | 731                                | 4.77                                     |  |  |  |
| 608       | 31                                    | 572           | 1,025  | 783                                | 5.12                                     |  |  |  |
| 721       | 36                                    | 759           | 1,251  | 913                                | 5.85                                     |  |  |  |

The next section of the Farm Business Chart provides for comparative analysis of the value of production as measured by milk receipts per cow and dairy receipts per hundredweight of milk sold and the costs of production. The final or profitability section shows the variation in farm income by decile and enables a dairy farmer to determine where he or she ranks by using several measures of farm profitability. Remember that each column is independently established and the farms making up the top decile in the first column will not necessarily be on the top of any other column. The dairy farmer who ranks at or near the top of most of these columns is in a very enviable position.

#### FARM BUSINESS CHART FOR FARM MANAGEMENT COOPERATORS 404 New York Dairy Farms, 1985

| Milk     | Dairy    | Oper. Cost | Oper. Cost | Total Cost | Total Cost |
|----------|----------|------------|------------|------------|------------|
| Receipts | Receipts | Milk       | Milk       | Production | Production |
| Per Cow  | Per Cwt. | Per Cow    | Per Cwt.   | Per Cow    | Per Cwt.   |
| \$2,735  | \$16.52  | \$ 901     | \$ 6.10    | \$1,667    | \$11.26    |
| 2,508    | 15.15    | 1,112      | 7.70       | 1,895      | 12.55      |
| 2,399    | 14.68    | 1,231      | 8.39       | 2,007      | 13.29      |
| 2,290    | 14.40    | 1,334      | 8.93       | 2,088      | 13.94      |
| 2,197    | 14.13    | 1,399      | 9.39       | 2,196      | 14.47      |
| 2,097    | 13.91    | 1,498      | 9.82       | 2,281      | 15.02      |
| 1,999    | 13.67    | 1,584      | 10.32      | 2,360      | 15.82      |
| 1,898    | 13.42    | 1,672      | 10.94      | 2,480      | 16.55      |
| 1,760    | 13.08    | 1,800      | 11.82      | 2,609      | 17.45      |
| 1,507    | 12.11    | 2,074      | 13.81      | 3,032      | 20.80      |

| Profitabili | itv | i | 1 | 1 | аb | t | i | f | o | r | P |
|-------------|-----|---|---|---|----|---|---|---|---|---|---|
|-------------|-----|---|---|---|----|---|---|---|---|---|---|

|                                         |                                   |                      | Return to Operator's Labor,<br>Management. & Equity Capital |             |                               |
|-----------------------------------------|-----------------------------------|----------------------|-------------------------------------------------------------|-------------|-------------------------------|
| <u>Net Farm</u><br>With<br>Appreciation | Income<br>Without<br>Appreciation | With<br>Appreciation | Without<br>Appreciation                                     | Per<br>Farm | ent Income<br>Per<br>Operator |
| \$101,576                               | \$98,427                          | \$100,957            | \$97,616                                                    | \$67,398    | \$49,398                      |
| 51,232                                  | 54,238                            | 49,740               | 52,972                                                      | 27,247      | 19,608                        |
| 34,730                                  | 36,084                            | 33,833               | 35,030                                                      | 16,338      | 11,912                        |
| 26,015                                  | 25,033                            | 24,933               | 23,703                                                      | 10,248      | 7,708                         |
| 19,413                                  | 18,975                            | 17,901               | 17,131                                                      | 5,056       | 3,887                         |
| 13,695                                  | 12,180                            | 12,066               | 9,951                                                       | -342        | -320                          |
| 9,055                                   | 6,473                             | 6,863                | 4,834                                                       | -5,172      | -4,523                        |
| 2,290                                   | -56                               | 374                  | -1,936                                                      | -10,015     | -8,491                        |
| -6,727                                  | -9,810                            | -8,364               | -11,125                                                     | -19,381     | -16,205                       |
| -28,801                                 | -39,020                           | -30,637              | -40,495                                                     | -46,928     | -43,181                       |

21

#### Financial Analysis Chart

The farm financial analysis chart is designed just like the <u>Farm Business</u> <u>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. References to DFBS output page numbers for participating dairy farmers are provided in the table headings.

|                                                                        | Liqu                                                    | idity (repayment)                                                             | )                                                                     | ···-                                                                                 |
|------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Debt Payments<br><u>Made Per Cow</u>                                   | Debt Payments<br>as Percent<br>of Milk Receipts         | Cash Flow<br>Coverage<br>Ratio                                                | Available for<br>Debt Service<br>Per Cow                              | Debt<br>Per Cow                                                                      |
| (DFBS pg. 7)                                                           | (7)                                                     | (7)                                                                           | (11)                                                                  | (5)                                                                                  |
| \$ 25<br>171<br>264<br>332<br>406<br>460<br>518<br>591<br>722<br>1,165 | 1%<br>9<br>14<br>18<br>20<br>24<br>27<br>31<br>37<br>63 | 7.03<br>2.15<br>1.58<br>1.30<br>1.10<br>0.96<br>0.80<br>0.65<br>0.43<br>-0.04 | \$1,012<br>780<br>674<br>606<br>527<br>460<br>387<br>313<br>244<br>42 | \$ 70<br>568<br>1,011<br>1,489<br>1,858<br>2,195<br>2,584<br>3,130<br>3,679<br>4,795 |

## FINANCIAL ANALYSIS CHART 404 New York Dairy Farms, 1985

|                   |              | olvency                       |              | Efficien             | <u>ncy &amp; Profi</u> | tability                |
|-------------------|--------------|-------------------------------|--------------|----------------------|------------------------|-------------------------|
|                   |              | <u>Debt/Asset Ratio</u>       |              | Total                | Capital                | Rate of                 |
| Percent<br>Equity | <u>Total</u> | Current & <u>Intermediate</u> | Long<br>Term | Farm Cap.<br>Per Cow | Turnover<br>(years)    | Return on<br>Equity Cap |
| (DFBS             |              |                               | 1.1.1        |                      |                        | Equity Cap              |
| pg. 5)            | (5)          | (5)                           | (5)          | (10)                 | (10)                   | (3)                     |
| 99%               | 0.01         | 0.00                          | 0.00         | \$3,705              | 1.67                   | 14                      |
| 90                | 0.10         | 0.04                          | 0.01         | 4,524                | 2.00                   | 6                       |
| 82                | 0.18         | 0.11                          | 0.10         | 4,960                | 2.19                   | <b>0</b>                |
| 75                | 0.25         | 0.16                          | 0.25         | 5,289                | 2.40                   | 4                       |
| 68                | 0.32         | 0.23                          | 0.37         | 5,654                | 2.60                   | 1                       |
| 61                | 0.39         | 0.29                          | 0.50         | 5,955                | 2.00                   | -4                      |
| 53                | 0.47         | 0.36                          | 0.63         | 6,342                | 2.93                   |                         |
| 44                | 0.56         | 0.44                          | 0.73         | 6,837                | 3.14                   | -6                      |
| 36                | 0.64         | 0.55                          | 0.89         | 7,671                | 3.46                   | -11                     |
| 16                | 0.84         | 0.81                          | 1.38         | 9,498                | 3.40<br>4.57           | -20<br>-83              |

## Summarize Your Business Performance

The Farm Business and Financial Analysis Charts can be used to help identify strengths and weaknesses of your farm business. Identify three major strengths and three areas of your farm business that need improvement.

Strengths:

Need Improvement: \_

FARM BUSINESS SUMMARY BY HERD SIZE 404 New York Dairy Farms, 1985

|                                                  | . <u></u>       |                   |            |                | <u> </u>        |
|--------------------------------------------------|-----------------|-------------------|------------|----------------|-----------------|
|                                                  | Less than       |                   | 55 to      | 70 to          | 85 to           |
| Item Farm S                                      | ize: 40 Cows    | 54 Cows           | 69 Cows    | 84 Cows        | <u>99 Cows</u>  |
| Number of farms                                  | 33              | 93                | 82         | 55             | 38              |
| Number of faims                                  | •-              |                   |            |                |                 |
| ACCRUAL EXPENSES                                 |                 | A E 007           | A 0 213    | \$ 13,051      | \$ 18,026       |
| Hired labor                                      | \$ 4,093        | \$ 5,937          | \$ 9,313   | 33,379         | 37,599          |
| Dairy grain & concentrat                         | e 15,862        | 22,245            | 27,169     |                | 767             |
| Dairy roughage                                   | 813             | 816               | 933        | 1,158          | 2,234           |
| Other livestock feed                             | 164             |                   | 555        | 705            |                 |
| Machine hire/rent/lease                          | 588             |                   | 1,305      | 1,644          | 1,251           |
| Machine repairs/parts                            | 2,560           |                   | 5,735      | 7,900          | 10,291          |
| Auto expense (farm share                         | a) 405          |                   | 450        | 645            | 368             |
| Fuel, oil & grease                               | 2,442           | 3,192             | 4,276      | 5,625          | 7,090           |
| Replacement livestock                            | 465             | 926               | 1,800      | 1,350          | 1,078           |
| Breeding                                         | 998             | 1,300             | 1,949      | 2,565          | 2,491           |
| Veterinary & medicine                            | 1,173           | 1,672             | 2,601      | 2,933          | 3,664           |
| Milk marketing                                   | 4,836           |                   | 8,313      | 10,033         | 10,296          |
| Cattle lease/rent                                | 3               |                   |            | 80             | · 0             |
|                                                  | · · · · · ·     |                   | 5,053      | 5,607          | 8,095           |
| Other livestock expense                          | 2,255           |                   |            | 7,976          | 10,357          |
| Fertilizer & lime                                | 712             |                   |            | 2,954          | 4,128           |
| Seeds & plants                                   |                 |                   |            | 2,626          | 2,881           |
| Spray & other crop exper                         |                 | -                 |            | 1,989          | 2,769           |
| Land/building/fence repa                         |                 | •                 |            | 6,668          | 9,482           |
| Taxes & insurance                                | 3,725           |                   | · · · ·    | 4,926          | 5,436           |
| Telephone & electricity                          | 2,267           |                   |            | 13,163         | 17,536          |
| Interest paid                                    | 4,443           |                   |            | 4,895          | 5,516           |
| Misc. (including rent)                           |                 |                   |            | \$131,872      | \$161,355       |
| Total Operating Exp                              | enses \$ 53,210 |                   |            | 774            | 844             |
| Expansion livestock                              | 968             |                   |            |                | 17,741          |
| Machinery depreciation                           | 6,124           |                   |            | 15,593         | 8,004           |
| Building depreciation                            | 2,193           |                   |            | 8,144          |                 |
| J Total Accrual Expension                        | ses \$62,49     | \$ \$90,537       | \$123,545  | \$156,383      | \$187,944       |
| ACCRUAL RECEIPTS                                 |                 |                   |            | ·              |                 |
| Milk sales                                       | \$59,21         | B ≔ \$ 88,407     | \$119,550  | \$151,834      | \$183,742       |
| Dairy cattle                                     | 4,81            | 1 6,521           | 9,436      | 11,266         | 14,400          |
| Dairy calves                                     | 93              |                   |            | 1,798          | 2,364           |
| Other livestock                                  | . 9             |                   | 352        | 436            | 472             |
|                                                  | 1,03            |                   | 592        | 1,949          | 3,216           |
| Crops                                            | 1,97            |                   |            | 5,737          | 7,682           |
| Misc. receipts<br>Total Accrual Recei            |                 |                   |            | \$173,020      | \$211,876       |
|                                                  |                 |                   |            |                |                 |
| PROFITABILITY ANALYSIS                           |                 | <b>9 \$9,</b> 759 | 9 \$12,931 | \$16,637       | \$23,932        |
| Net farm income (w/o ap                          |                 |                   |            |                | \$19,249        |
| Net farm income (w/appr                          | ec.) \$4,70     |                   |            |                | \$4,124         |
| Labor & mgmt. income                             | \$-3,99         |                   |            | · · · ·        | 1.42            |
| Number of operators                              | 1.0             |                   |            |                |                 |
| Labor & mgmt. inc./oper                          |                 | 9 \$-50           | 8 \$-539   | 3-320          | Υ <i>2</i> ,713 |
| Rate of return on equit                          |                 | 6% -6.4           | 48 -4.0    | ક -2.3૧        | -0.6            |
| capital (w/o apprec.)<br>Rate of return on equit | •               |                   |            | · · ·          |                 |
| capital (w/apprec.)                              | -7.             | 18 -7.0           | 0% -5.3    | <b>%</b> -1.44 | -1.8            |
|                                                  |                 |                   |            |                |                 |

FARM BUSINESS SUMMARY BY HERD SIZE 404 New York Dairy Farms, 1985

| Item Farm Size               | 100 to       | 150 to            | 200 to            | 250 or            |
|------------------------------|--------------|-------------------|-------------------|-------------------|
| Item Farm Size:              | 149 Cows     | <u>199 Cows</u>   | <u>249 Cows</u>   | More Co           |
| Number of farms              | 54           | 20                |                   |                   |
|                              |              | 20                | 14                | 1.                |
| ACCRUAL EXPENSES             |              |                   |                   |                   |
| Hired labor                  | \$ 26,831    | \$ 37,871         | \$ 69,656         | \$118,62          |
| Dairy grain & concentrate    | 52,504       | 69,080            | 119,361           | 181,104           |
| Dairy roughage               | 979          | 3,007             | 1,464             | 6,896             |
| Other livestock feed         | 1,253        | 1,581             | 176               | 193               |
| Machine hire/rent/lease      | 1,828        | 2,514             | 4,138             |                   |
| Machine repairs/parts        | 12,204       | 17,945            | 30,301            | 3,54]             |
| Auto expense (farm share)    | 372          | 377               | 829               | 37,855            |
| Fuel, oil & grease           | 9,375        | 12,763            | 18,866            | 303               |
| Replacement livestock        | 1,300        | 2,816             | •                 | 24,475            |
| Breeding                     | 3,611        | 4,415             | 1,521             | 3,244             |
| Veterinary & medicine        | 5,044        | 6,398             | 7,083             | 11,731            |
| Milk marketing               | 13,992       |                   | 9,844             | 20,184            |
| Cattle lease/rent            | 68           | 19,197            | 30,848            | 38,127            |
| Other livestock expense      | 9,665        | 188               | 0                 | 344               |
| Fertilizer & lime            | 11,193       | 13,049            | 17,907            | 31,495            |
| Seeds & plants               |              | 19,173            | 23,424            | 33,953            |
| Spray & other crop expense   | 4,444        | 6,000             | 7,942             | 14,478            |
| and/building/fence repair    | 3,981        | 7,053             | 10,397            | 15,416            |
| faxes & insurance            | 2,981        | 4,147             | 4,852             | 9,358             |
| Selephone & electricity      | 10,303       | 12,467            | 16,682            | 23,234            |
| Interest paid                | 6,501        | 7,470             | 11,821            | 17,907            |
| lisc. (including rent)       | 23,255       | 34,925            | 45,152            | 75,543            |
| Total Operating Expenses     | 6,759        | <u>    11,814</u> | <u>    17,838</u> | <u>21.921</u>     |
| xpansion livestock           | \$208,443    | \$294,250         | \$450,102         | \$689,925         |
| achinery depreciation        | 1,127        | 7,108             | 1,680             | 16,690            |
| uilding depreciation         | 20,258       | 26,978            | 32,499            | 45,087            |
| Total Account Francisco      | <u>9,161</u> | $_{17,114}$       | 16.621            | 35,310            |
| Total Accrual Expenses       | \$238,989    | \$345,450         | \$500,902         | \$787,012         |
| CCRUAL RECEIPTS              | · ·          | •                 |                   |                   |
| ilk sales                    | \$236,108    | \$320,343         | ¢/(0.100          |                   |
| airy cattle                  | 20,211       |                   | \$468,190         | \$796,157         |
| airy calves                  | 2,992        | 32,874            | 46,908            | 81,554            |
| ther livestock               | 556          | 3,559             | 5,168             | 8,731             |
| rops                         |              | 21                | 89                | 775               |
| isc. receipts                | 193          | 5,092             | 10,339            | 16,228            |
| Total Accrual Receipts       | 7,420        | 16,589            | <u>21,994</u>     | <u>    15,205</u> |
| Recerpts                     | \$267,480    | \$378,478         | \$552,688         | \$918,650         |
| COFITABILITY ANALYSIS        |              |                   |                   |                   |
| et farm income (w/o apprec.) | \$28,491     | \$33,028          | 051 70C           | A141 (00          |
| t farm income (w/apprec.)    | \$29,111     |                   | \$51,786          | \$131,638         |
| bor & mgmt. income           |              | \$24,269          | \$44,731          | \$120,705         |
| mber of operators            | \$5,196      | \$6,896           | \$17,279          | \$76,669          |
| bor & mgmt. inc./oper.       | 1.50         | 1.58              | 1.67              | 1.58              |
| te of return on equity       | \$3,464      | \$4,355           | \$10,367          | \$48,423          |
| capital (w/o apprec.)        | 0.0-         | <b>•</b> •        |                   |                   |
| te of return on equity       | -0.0%        | 0.6%              | 2.8%              | 8.7%              |
| capital (w/apprec.)          |              | <b>.</b>          |                   |                   |
| (*/appred.)                  | 0.1%         | -1.1%             | 1.8%              | 7.78              |

ı.

<u>.</u>

FARM FAMILY FINANCIAL SITUATION BY HERD SIZE 404 New York Dairy Farms, 1985

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | 4 Cows         | 55 to 6         | 9 Cows                    |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|-----------------|---------------------------|
| Farms with: Less tha                    | $\frac{n}{2} \frac{40}{5} \frac{100}{5} \frac{100}{$ | Jan. 1            |                | Jan. 1          | Dec. 31                   |
| Item Jan. 1                             | Dec. 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Jan. 1            | Dec. JI        | Jan. 1          |                           |
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                |                 |                           |
| ASSETS                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A 1 0//           | 6 1 / 07       | 6 2 280         | \$ 2,584                  |
| Farm cash/chkg./sav. \$ 2,208           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$ 1,264          | \$ 1,427       | \$ 2,280        |                           |
| Accounts receivable 6,052               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7,548             | 7,173          | 10,835          | 10,530                    |
| Feed & supplies 11,016                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 17,075            | 17,168         | 25,038          | 25,601                    |
| Dairy cows* 27,508                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40,790            | 38,285         | 55,435          | 52,811                    |
| Heifers 11,583                          | 9,208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15,737            | 13,815         | 22,773          | 19,303                    |
| Bulls & other lvstk. 560                | 479                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 878               | 812            | 599             | 474                       |
| Machinery & equipment* 41,341           | 40,782                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 53,683            | 54,064         | 80,279          | 78,950                    |
| Coop stocks & cert. 2,024               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2,615             | 2,487          | 4,237           | 4,524                     |
| Land & buildings*                       | <u>115,967</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>140,467</u>    | <u>144,528</u> | <u>194,568</u>  | 196,143                   |
| Total Farm Assets \$213,221             | \$213,427                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$280,057         | \$279,759      | \$396,044       | \$390,921                 |
| 10001 1000 0000 0000 0000 0000          | • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                | 1 A.            |                           |
| Pers. cash/chkg./sav.\$ 7,817           | \$ 8,760                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$ 2,456          | \$ 2,551       | \$ 3,725        | \$ 3,960                  |
| Cash value of life ins. 3,230           | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3,465             |                | 3,239           | 3,187                     |
| Nonfarm real estate 2,342               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4,371             |                | 8,953           | 9,312                     |
| Auto (personal share) 2,118             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2,246             | -              | 2,190           | 2,416                     |
| Stocks & bonds 5,868                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1,643             |                | 16,266          | 16,945                    |
| Household furnishings 7,192             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8,216             |                | 6,930           | 7,925                     |
|                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3,098             |                | 268             | 1,048                     |
|                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                |                 |                           |
| Total Nonfarm                           | \$ \$ 30,776                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$ 25,495         | \$ 25,369      | \$ 41,569       | \$ 44,793                 |
| Assets** \$ 29,860                      | \$ \$ 50,170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Ş 2J,49J          | φ 23,305       | <b>Ý</b> 41,303 | <b>Y</b> 11,755           |
| Total Farm & Nonfarm                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$305,552         | \$305,128      | \$437 613       | \$435,714                 |
| Assets \$243,08                         | \$244,203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | , JJ2             | 9505,±20       | <b>9437,013</b> | φ <del>-</del> υυ,,,,,,,, |
| TTADTTTTTTC                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                |                 |                           |
| LIABILITIES<br>Accounts payable \$ 1,95 | 5 \$ 2,293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$ 4,525          | \$ 4,396       | \$ 3,675        | \$ 3,744                  |
|                                         | 0 $0$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | •              |                 | 1,192                     |
| operating                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                |                 |                           |
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                 |                |                 |                           |
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                |                 | 89,105                    |
| Long term*                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                |                 |                           |
| Total Farm Liab. \$ 52,77               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | • •            | 2,664           | 2,838                     |
| Total Nonfarm Liab.** 43                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 752               |                | 2,004           | 2,050                     |
| Total Farm & Nonfarm                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6112 105          | 6117 015       | 61/0 /53        | \$175 221                 |
|                                         | 5 \$ 55,697                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ş115,105          | , șii/,șij     | 5142,433        | 9142,771                  |
| Farm Net Worth                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A1 (7 70)         | 61 C3 00 C     | 6956 955        | \$250,987                 |
|                                         | 4 \$158,310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$167,704         | \$163,026      | şz36,233        | \$250,907                 |
| Farm & Nonfarm                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A100 (/)          |                | AAAE 160        | 000 042                   |
| Net Worth \$189,87                      | 2 \$188,506                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$192,44 <i>7</i> | \$187,213      | \$295,160       | \$292,945                 |
|                                         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (0.0              | 10 to 54 0     | 55              | to 60 Corre               |
| FINANCIAL MEASURES                      | <u>Less than</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | 40 to 54 C     |                 | <u>to 69 Cows</u><br>64%  |
| Percent equity                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 74%               | 58%            |                 |                           |
| Debt/asset ratio-long term              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.30              | 0.51           |                 | 0.45<br>0.26              |
| Debt/asset ratio-inter. & cu            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.21              | 0.32           |                 |                           |
| Total farm debt per cow                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ,621              | \$2,382        |                 | \$2,186                   |
| Annual debt payments made               | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,166              | \$20,351       | Ş               | 30,885                    |
| Debt payments made per cow              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$368             | \$432          |                 | \$500                     |
| Debt payments as % of milk s            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20%               | 23%            |                 | 26%                       |
| Amount avail. for debt servi            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ,942              | \$23,026       | Ş               | 30,400                    |
| Cash flow coverage ratio for            | 1985                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.74              | 1.07           |                 | 1.04                      |
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                |                 |                           |

\*Includes discounted lease payments.

\*\*Average of farms reporting nonfarm assets and liabilities for 1985.

## FARM FAMILY FINANCIAL SITUATION BY HERD SIZE 404 New York Dairy Farms, 1985

| Farms with:                   |                   | o 84 Cows       | <u>85 to</u>                                   | 99 Cows        |
|-------------------------------|-------------------|-----------------|------------------------------------------------|----------------|
| Item                          | <u>Jan. 1</u>     | Dec. 31         | Jan. 1                                         | Dec. 31        |
| AGEREC                        |                   |                 |                                                | · ·            |
| ASSETS                        |                   |                 |                                                |                |
| Farm cash/chkg./savings       | \$ 5,766          | \$ 4,884        | \$ 2,617                                       | \$ 3,422       |
| Accounts receivable           | 14,697            | 14,487          | 16,078                                         | 15,871         |
| Feed & supplies               | 35,637            | 35,228          | 44,666                                         | 46,961         |
| Dairy cows*                   | 65,176            | 62,650          | 82,318                                         | 78,084         |
| Heifers                       | 29,022            | 25,175          | 35,773                                         | 32,808         |
| Bulls & other lvstk.          | 747               | 981             | 1,382                                          | 1,372          |
| Machinery & equipment*        | 95,054            | 98,240          | 115,793                                        | 116,850        |
| Coop stocks & cert.           | 5,003             | 5,700           | 8,095                                          | 8,876          |
| Land & buildings*             | <u>   204,940</u> | 208,015         | 260,816                                        | 257,440        |
| Total Farm Assets             | \$456,042         | \$455,360       | \$567,538                                      | \$561,684      |
| Pers. cash/chkg./savings      | \$ 15,519         | \$ 13,636       | \$ 4,787                                       | \$ 6,288       |
| Cash value of life ins.       | 4,650             | 5,373           | 3,600                                          | 3,859          |
| Nonfarm real estate           | 13,829            | 13,700          | 4,813                                          | 5,542          |
| Auto (personal share)         | 2,819             | 3,158           | 2,265                                          | 2,338          |
| Stocks & bonds                | 9,052             | 10,261          | 1,940                                          | 3,000          |
| Household furnishings         | 7,200             | 7,223           | 3,604                                          | 4,792          |
| All other                     | 5,321             | 5,986           | 4,084                                          |                |
| Cotal Nonfarm Assets**        | \$ 58,390         | \$ 59,336       | \$ 25,092                                      | <u>4,752</u>   |
| fotal Farm & Nonfarm          |                   | <b>Y</b> 00,000 | φ 25,092                                       | \$ 30,571      |
| Assets                        | \$514,432         | \$514,696       | \$592,630                                      | \$592,255      |
| LIABILITIES                   | ,                 |                 |                                                |                |
| accounts payable              | \$ 5,037          | \$ 6,816        | \$ 4,539                                       | \$ 4,883       |
| perating debt                 | 1,074             | 1,924           | 4,013                                          |                |
| hort term                     | 1,148             | 2,185           | 3,724                                          | 4,144          |
| ntermediate*                  | 44,336            | 46,725          | -                                              | 2,827          |
| ong term*                     | 90,933            | 88,906          | 68,472                                         | 67,533         |
| otal Farm Liab.               | \$142,529         | \$146,555       | 116.051                                        | 119,142        |
| otal Nonfarm Liab.**          | 454               | 1,242           | \$196,799                                      | \$198,529      |
| otal Farm & Nonfarm           | <u> </u>          | <u> </u>        | 21                                             | 21             |
| Liabilities                   | \$142,983         | \$147,797       | 0106 000                                       | A100           |
| arm Net Worth                 | Ŷ142,909          | 914/,/9/        | \$196,820                                      | \$198,550      |
| (Equity Capital)              | \$313,513         | 6300 005        | A370 700                                       |                |
| arm & Nonfarm                 | 4010,010 ·        | \$308,805       | \$370,739                                      | \$363,155      |
| Net Worth                     | \$371,449         | \$366,899       | \$395,810                                      | \$393,705      |
| INANCIAL MEASURES             | 70                | to 84 Cows      | _                                              |                |
| ercent equity                 | <u>70</u>         | 68%             | <u>01 C0</u>                                   | <u>99 Cows</u> |
| ebt/asset ratio-long term     |                   | 0.43            |                                                | 65%            |
| ebt/asset ratio-inter. & cu   | rront             | 0.23            |                                                | 0.46           |
| otal farm debt per cow        | LICHL             |                 |                                                | 0.26           |
| nnual debt payments made      |                   | \$1,879         |                                                | ,112           |
| bt payments made per cow      |                   | \$30,462        |                                                | ,392           |
| bt payments as % of milk s    |                   | \$402           | n<br>An an | \$426          |
| Sount avail. for debt service |                   | 20%             |                                                | 21%            |
| ash flow coverage ratio for   |                   | \$41,194        |                                                | ,661           |
| LIUW COVELAGE FACTO IOT       | TA00              | 1.40            |                                                | 1.09           |

\*Includes discounted lease payments. \*\*Average of farms reporting nonfarm assets and liabilities for 1985.

## FARM FAMILY FINANCIAL SITUATION BY HERD SIZE 404 New York Dairy Farms, 1985

| Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312,736317,406411,748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248\$ 1,3Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                                                                                                                         | 36<br>64<br>97<br>97<br>68<br>26<br>19<br>82<br>52<br>13  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| ASSETSOutrieDetriveFarm cash/chkg./savings\$ 4,109\$ 3,938\$ 5,551\$ 6,3Accounts receivable20,97120,47327,81832,0Feed & supplies57,94756,43971,81873,9Dairy cows*102,40898,777135,614136,7Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,2559058Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,92Land & buildings*312,736317,406411,748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248\$ 1,3Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                          | 36<br>64<br>97<br>97<br>68<br>26<br>19<br>82<br>52<br>13  |
| Farm cash/chkg./savings\$ 4,109\$ 3,938\$ 5,551\$ 6,3Accounts receivable20,97120,47327,81832,0Feed & supplies57,94756,43971,81873,9Dairy cows*102,40898,777135,614136,7Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,255905Machinery & equipment*128,332127,976157,670Land & buildings*312,736317,406411,748Total Farm Assets\$ 687,791\$ 685,115\$ 895,303Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248Nonfarm real estate14,21215,2128,333Auto (personal share)3,4653,5823,550                                                                                                                                                                  | 64<br>63<br>97<br>97<br>68<br>26<br>19<br>82<br>52<br>13  |
| Farm cash/chkg./savings\$ 4,109\$ 3,938\$ 5,551\$ 6,3Accounts receivable20,97120,47327,81832,0Feed & supplies57,94756,43971,81873,9Dairy cows*102,40898,777135,614136,7Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,255905Machinery & equipment*128,332127,976157,670Land & buildings*312,736317,406411,748Total Farm Assets\$ 687,791\$ 685,115\$ 895,303Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248Nonfarm real estate14,21215,2128,333Auto (personal share)3,4653,5823,550                                                                                                                                                                  | 64<br>63<br>97<br>97<br>68<br>26<br>19<br>82<br>52<br>13  |
| Accounts receivable20,97120,47327,81832,00Feed & supplies57,94756,43971,81873,9Dairy cows*102,40898,777135,614136,7Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,2559058Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312,736317,406411,748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$3,454\$3,103\$1,248\$1,3Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                      | 64<br>63<br>97<br>97<br>68<br>26<br>19<br>82<br>52<br>13  |
| Accounts receivable10,1210,1210,12Feed & supplies57,94756,43971,81873,9Dairy cows*102,40898,777135,614136,7Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,2559058Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312,736317,406411,748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248\$ 1,3Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                               | 63<br>97<br>97<br>68<br>26<br>19<br><u>82</u><br>52<br>13 |
| Peet & supplies102,40898,777135,614136,7Dairy cows*102,40898,777135,614136,7Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,2559058Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312,736317,406411,748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$3,454\$3,103\$1,248\$1,3Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                  | 97<br>97<br>68<br>26<br>19<br><u>82</u><br>52<br>13       |
| Baily could100,78145,47859,20753,1Heifers46,78145,47859,20753,1Bulls & other lvstk.1,6991,2559058Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312,736317,406411.748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$3,454\$3,103\$1,248\$1,3Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                            | 97<br>68<br>26<br>19<br><u>82</u><br>52<br>13             |
| Ineffers1,6991,2559058Bulls & other lvstk.1,6991,2559058Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312.736317,406411.748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248\$ 1,3Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                                                                 | 68<br>26<br>19<br><u>82</u><br>52<br>13                   |
| Buills & Other Tvstk.1,0001,0001,000Machinery & equipment*128,332127,976157,670159,8Coop stocks & cert.12,80813,37324,97228,9Land & buildings*312,736317,406411.748407,0Total Farm Assets\$687,791\$685,115\$895,303\$899,0Pers. cash/chkg./savings\$ 3,454\$ 3,103\$ 1,248\$ 1,3Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                                                                                     | 26<br>19<br><u>82</u><br>52                               |
| Machinery & equipments       112,802       13,373       24,972       28,9         Coop stocks & cert.       12,808       13,373       24,972       28,9         Land & buildings*       312,736       317,406       411,748       407,0         Total Farm Assets       \$687,791       \$685,115       \$895,303       \$899,0         Pers. cash/chkg./savings       \$3,454       \$3,103       \$1,248       \$1,3         Cash value of life ins.       3,101       3,480       14,353       14,7         Nonfarm real estate       14,212       15,212       8,333       9,1         Auto (personal share)       3,465       3,582       3,550       2,7 | 19<br><u>82</u><br>52                                     |
| Land & buildings*       312.736       317.406       411.748       407.0         Total Farm Assets       \$687,791       \$685,115       \$895,303       \$899,0         Pers. cash/chkg./savings       \$3,454       \$3,103       \$1,248       \$1,3         Cash value of life ins.       3,101       3,480       14,353       14,7         Nonfarm real estate       14,212       15,212       8,333       9,1         Auto (personal share)       3,465       3,582       3,550       2,7                                                                                                                                                                 | <u>82</u><br>52                                           |
| Land & Buildings       SIL.700       SIL.700         Total Farm Assets       \$687,791       \$685,115       \$895,303       \$899,0         Pers. cash/chkg./savings       \$3,454       \$3,103       \$1,248       \$1,3         Cash value of life ins.       3,101       3,480       14,353       14,7         Nonfarm real estate       14,212       15,212       8,333       9,1         Auto (personal share)       3,465       3,582       3,550       2,7                                                                                                                                                                                            | 52                                                        |
| Pers. cash/chkg./savings       \$ 3,454       \$ 3,103       \$ 1,248       \$ 1,3         Cash value of life ins.       3,101       3,480       14,353       14,7         Nonfarm real estate       14,212       15,212       8,333       9,1         Auto (personal share)       3,465       3,582       3,550       2,7                                                                                                                                                                                                                                                                                                                                     | 13                                                        |
| Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| Cash value of life ins.3,1013,48014,35314,7Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| Nonfarm real estate14,21215,2128,3339,1Auto (personal share)3,4653,5823,5502,7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| Auto (personal share) 3,465 3,582 3,550 2,7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| Auto (personar share) 5,105 - 1,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| Stocks & bonds 6,212 9,026 1,963 3,4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           |
| Household furnishings 9,167 9,785 11,417 11,4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| All other $2,949$ <u>3,461</u> <u>6,660</u> <u>6,8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |
| Total Nonfarm Assets** \$ 42,561 \$ 47,648 \$ 47,523 \$ 49,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 00                                                        |
| Total Farm & Nonfarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | .00                                                       |
| Assets \$730,352 \$732,763 \$942,826 \$948,6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 108                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| LIABILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| Accounts payable \$ 8,457 \$ 6,855 \$ 15,603 \$ 11,3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           |
| Operating debt 2,275 2,809 12,751 11,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |
| Shore com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 918                                                       |
| Intermediate* 95,195 94,518 153,072 153,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| Long term* <u>129,707</u> <u>131,237</u> <u>204,102</u> <u>220.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Total Farm Liab. \$240,075 \$241,208 \$390,429 \$398,4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |
| Total Nonfarm Liab.** 1.064 946 4.650 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>984</u>                                                |
| Total Farm & Nonfarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           |
| Liabilities \$241,139 \$242,154 \$395,079 \$402,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 392                                                       |
| Farm Net Worth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| (Equity Capital) \$447,716 \$443,907 \$504,874 \$500,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 544                                                       |
| Farm & Nonfarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| Net Worth \$489,213 \$490,609 \$547,747 \$546,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 216                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| FINANCIAL MEASURES 100 to 149 Cows 150 to 199 Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NS.                                                       |
| Percent equity 65% 56%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |
| Debt/asset ratio-long term 0.41 0.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           |
| Debt/asset ratio-inter. & current 0.30 0.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| Debulassed facto incore do 171                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| Debt paymentes made per cow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| Debe payments as 4 of mile sures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| Cash flow coverage ratio for 1985 1.01 0.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |

\*Includes discounted lease payments.

\*\*Average of farms reporting nonfarm assets and liabilities for 1985.

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>More than </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | More than 250 Cows                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <u> </u>    | Dec. 31                                                                                                                                                                                                                                                                                                                                                                                                                          | <u>Jan. 1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Dec. 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| •           | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -                                                                                                                                                                                                                                                                                                                  | e part de la company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| \$ 6,837    | \$ 11,847                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 8,039 \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5,409                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| 46,843      | 43,442                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 72,250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 100,424     | 108,417                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 180,862                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| 188,896     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 294,830                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| 84,355      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 122,225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,876                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 254,436                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 46,142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>40,142</u><br><u>808,694</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| \$1,139,490 | \$1,140,922                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,786,724                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| \$ 16.800   | \$ 13,613                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 1069 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| • •         |                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | • • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6,400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| •           |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4,800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.086                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| φ. 00,040 . | 9 11,101                                                                                                                                                                                                                                                                                                                                                                                                                         | ş 1/,544 Ş                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 17,714                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| \$1,205,833 | \$1,218,629                                                                                                                                                                                                                                                                                                                                                                                                                      | \$1,755,980 \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,804,438                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|             | · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| \$ 1/ 500   | ¢ 15 005                                                                                                                                                                                                                                                                                                                                                                                                                         | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12,388                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9,667                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 28,805                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 326,324                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>321,161</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| \$4/3,88/   | <b>\$461,780</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | \$ 692,450 \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 698,344                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| 0           | 0                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| 1.<br>1     |                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$ 692,450 \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 698,344                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| \$665,603   | \$679,142                                                                                                                                                                                                                                                                                                                                                                                                                        | \$1,045,986 \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,088,380                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| \$731,946   | \$756,849                                                                                                                                                                                                                                                                                                                                                                                                                        | \$1,063,530 \$1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ,106,094                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| <u>2</u> 00 | to 249 Cows                                                                                                                                                                                                                                                                                                                                                                                                                      | More then                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50 Cowe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 61%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| current     |                                                                                                                                                                                                                                                                                                                                                                                                                                  | and the second se |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| ·           |                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$1,962<br>\$154 107                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| sales       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 438                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| rica        |                                                                                                                                                                                                                                                                                                                                                                                                                                  | 198                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| r 1985      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| JL 170J     | 0.94                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | .31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|             | $\begin{array}{r} \hline Jan. 1 \\ \$ & 6,837 \\ & 46,843 \\ 100,424 \\ 188,896 \\ & 84,355 \\ & 2,011 \\ 183,392 \\ & 27,566 \\ \hline & 499,166 \\ \$1,139,490 \\ \$ & 16,800 \\ & 8,038 \\ 12,750 \\ & 4,813 \\ & 6,875 \\ & 11,585 \\ & 5,483 \\ \$ & 66,343 \\ \$1,205,833 \\ \$ & 14,599 \\ & 12,829 \\ & 814 \\ 161,140 \\ & 284,505 \\ \$473,887 \\ & & 0 \\ \hline & $473,887 \\ \$665,603 \\ \$731,946 \\ \end{array}$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Jan. 1Dec. 31Jan. 1 $3an. 1$ Jan. 1 $3an. 1$ < |  |  |

\*Includes discounted lease payments. \*\*Average of farms reporting nonfarm assets and liabilities for 1985.

SELECTED BUSINESS FACTORS BY HERD SIZE 404 New York Dairy Farms, 1985

| Farms with:<br>Item                                                                                                  | Less than<br>40 Cows | 40 to<br>54 Cows | 55 to<br>69 Cows                        | 70 to<br>84 Cows | 85 to<br><u>99 Cows</u> |
|----------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-----------------------------------------|------------------|-------------------------|
| Number of farms                                                                                                      | 33                   | 93               | 82                                      | 55               | 38                      |
| <u>Cropping Program Analysis</u>                                                                                     |                      |                  |                                         | :                |                         |
| Total Tillable acres                                                                                                 | 107                  | 165              | 206                                     | 258              | 329                     |
| Tillable acres rented*                                                                                               | 25                   | 53               | 63                                      | 86               | 106                     |
| Hay crop acres*                                                                                                      | 74                   | 107              | 119                                     | 132              | 156                     |
| Corn silage acres*                                                                                                   | 17                   | 29               | 40                                      | 54               | 73                      |
| Hay crop, tons DM/acre                                                                                               | 2.1                  | 2.2              | 2.5                                     | 2.4              | 2.6                     |
| Corn silage, tons/acre                                                                                               | 13.1                 | 13.2             | 13.5                                    | 14.4             | 13.7                    |
| Oats, bushels/acre                                                                                                   | 61.4                 | 82.1             | 86.9                                    | 76.9             | 74.4                    |
| Forage DM per cow, tons                                                                                              | 6.9                  | 7.7              | 7.7                                     | 7.8              | 8.2                     |
| Tillable acres/cow                                                                                                   | 3.3                  | 3.5              | 3.3                                     | 3.4              | 3.6                     |
| Fert. & lime exp./til. acre                                                                                          | \$21.06              | \$24.20          | <b>\$28.35</b>                          | \$30.93          | \$31.45                 |
| Total machinery costs                                                                                                | \$14,171             | \$19,519         | \$26,647                                | \$36,161         | \$42,527                |
| Machinery cost/tillable acre                                                                                         | \$132                | \$118            | \$129                                   | \$140            | \$129                   |
| Dairy Analysis                                                                                                       |                      |                  |                                         |                  |                         |
| Number of cows                                                                                                       | 33                   | 47               | 62                                      | . 76             | 92                      |
| Number of heifers                                                                                                    | 25                   | - 37             |                                         | 62               | 77                      |
| Milk sold, lbs.                                                                                                      | 465,289              | 691,467          | 924,535                                 | 1,162,676        | 1,430,313               |
| Milk sold/cow, lbs.                                                                                                  | 14,113               | 14,722           | 14,897                                  | 15,346           | 15,485                  |
| Operating cost of prod. milk/cv                                                                                      | wt. \$9.53           | \$9.75           | \$9.71                                  | \$9.52           | \$9.31                  |
| Total cost of prod. milk/cwt.                                                                                        | \$16.67              | \$15.46          | \$15.37                                 | \$15.00          | \$14.26                 |
| Price/cwt. milk sold                                                                                                 | \$12.73              | \$12.79          | \$12,93                                 | \$13.06          | \$12.85                 |
| Purchased dairy feed/cow                                                                                             | \$506                | \$491            | \$453                                   | \$456            | \$415                   |
| Purchased dairy feed/cwt. milk                                                                                       | \$3.58               | \$3.33           | \$3.04                                  | \$2.97           | \$2.68                  |
| Purchased grain & conc. as %                                                                                         | - · ·                |                  |                                         | 4.4              |                         |
| of milk receipts                                                                                                     | 27%                  | 25%              | 23*                                     | 228              | 20%                     |
| Purchased feed & crop                                                                                                |                      |                  |                                         |                  |                         |
| expense/cwt. milk                                                                                                    | \$4.32               | \$4.25           | \$4.13                                  | \$4.14           | \$3.90                  |
| Capital Efficiency                                                                                                   | 8, s 1               |                  |                                         |                  |                         |
| Farm capital/worker                                                                                                  | \$116,359            | \$134,356        | • •                                     |                  | \$173,727               |
| Farm capital/cow                                                                                                     | 6,470                | 5,960            | 6,340                                   | 6,015            | 6,113                   |
| Farm capital/til. acre owned                                                                                         | 2,602                | 2,477            | 2,752                                   | 2,649            | 2,532                   |
| Real estate/cow                                                                                                      | 3,441                | 3,034            | 3,148                                   | 2,725            | 2,805                   |
| Machinery investment/cow                                                                                             | 1,245                | 1,147            | 1,283                                   | 1,276            | 1,259                   |
| Capital turnover, years                                                                                              | 3.13                 | 2.79             | 2.88                                    | 2.63             | 2.66                    |
| Labor Efficiency                                                                                                     |                      |                  |                                         |                  |                         |
| Worker equivalent                                                                                                    | 1.83                 | 2.08             | 2.42                                    | 2.83             | 3.25                    |
| Operator/manager equivalent                                                                                          | 1.08                 | 1.17             | 1.33                                    | 1.42             | 1.42                    |
| Milk sold/worker, lbs.                                                                                               | 253,794°             | 331,904          | 382,566                                 | 410,356          | 440,096                 |
| Cows/worker                                                                                                          | 18                   | 23               | 26                                      | 27               | 28                      |
| Work units/worker                                                                                                    | 188                  | 243              | 272                                     | 289              | 324                     |
| Labor cost/cow                                                                                                       | \$490                | \$412            | \$374                                   | \$374            | \$360                   |
| Labor cost/tillable acre                                                                                             | \$151                | \$117            | \$113                                   | \$110            | \$101                   |
| •<br>A second seco |                      |                  | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |                  |                         |

\*Average of all farms, not only those reporting data.

SELECTED BUSINESS FACTORS BY HERD SIZE 404 New York Dairy Farms, 1985

|                    |                                                                                                                  | 4.0.0                 |                           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item               | Farms with:                                                                                                      | 100 to<br>149 Cows    | 150 to<br><u>199 Cows</u> | 200 to                | 250 or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                    |                                                                                                                  | 149 COWS              | L77 LOWS                  | 249 Cows              | More Cows                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of farms    |                                                                                                                  | 54                    | 20                        | 14                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cropping Program   | Analysis                                                                                                         |                       |                           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Total Tillable a   |                                                                                                                  | 364                   | 529                       | 595                   | 809                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tillable acres r   |                                                                                                                  | 120                   | 194                       | 237                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hay crop acres*    |                                                                                                                  | 180                   | 235                       | 237                   | 276                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Corn silage acre   | c*                                                                                                               | 89                    | 128                       |                       | 280                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hay crop, tons D   |                                                                                                                  | 3.0                   | 2.9                       | 220<br>3.2            | 348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Corn silage, ton   |                                                                                                                  | 14.2                  | 14.0                      |                       | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Oats, bushels/ac   |                                                                                                                  | 81.7                  | 64.9                      | 14.8                  | 15.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Forage DM per co   |                                                                                                                  | 8.2                   | 8.1                       | 71.4                  | 93.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tillable acres/c   |                                                                                                                  | 3.1                   |                           | 8.3                   | 8.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Fert. & lime exp   |                                                                                                                  | \$30.74               | 3.3                       | 2.7                   | 2.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Total machinery    |                                                                                                                  |                       | \$36.27                   | \$39.35               | \$41.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Machinery cost/t   |                                                                                                                  | \$50,416              | \$68,482                  | \$95,644              | \$123,924                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| monimory cost/c    | TITADIE ACLE                                                                                                     | \$138                 | \$130                     | \$161                 | \$153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dairy Analysis     |                                                                                                                  |                       |                           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Number of cows     |                                                                                                                  | . 119                 | 100                       | 000                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Number of heifer   | <b>e</b>                                                                                                         | 107                   | 160                       | 223                   | 342                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Milk sold, 1bs.    | 3                                                                                                                |                       | 129                       | 182                   | 286                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Milk sold/cow, 1   |                                                                                                                  | 1,839,601             | 2,450,256                 | 3,618,728             | 6,189,863                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                    | f prod. milk/cwt.                                                                                                | 15,524                | 15,295                    | 16,233                | 18,099                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Total cost of pro  | nd milk/out                                                                                                      | \$9.63                | \$9.64                    | \$10.10               | \$9.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Price/cwt. milk :  |                                                                                                                  | \$14.04               | \$13.97                   | \$13.35               | \$12.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purchased dairy    |                                                                                                                  | \$12.83               | \$13.07                   | \$12.94               | \$12.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purchased dairy i  | food/cost == 11-                                                                                                 | \$451                 | \$450                     | \$542                 | \$550                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purchased grain &  | Leeu/Cwc. milk                                                                                                   | \$2.91                | \$2.94                    | \$3.34                | \$3.04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| of milk receipt    | x conc. as ₹                                                                                                     | 0.00                  |                           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purchased feed &   |                                                                                                                  | 22%                   | 22%                       | 25%                   | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| expense/cwt. mi    |                                                                                                                  | A2 07                 |                           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| expense/cwc. ml    | LLK                                                                                                              | \$3.97                | \$4.26                    | \$4.49                | \$4.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Capital Efficience |                                                                                                                  |                       | · · ·                     |                       | Ъ.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| arm capital/work   |                                                                                                                  | 6170 075              | A100 070                  | A                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| arm capital/cow    |                                                                                                                  | \$179,075             | \$199,373                 | \$187,431             | \$215,826                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| arm capital/tow    |                                                                                                                  | 5,793                 | 5,600                     | 5,115                 | 5,154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| eal estate/cow     | acie uwned                                                                                                       | 2,813                 | 2,678                     | 3,185                 | 3,307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| achinery investm   | ant loom                                                                                                         | 2,659                 | 2,556                     | 2,245                 | 2,325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| apital turnover,   |                                                                                                                  | 1,081                 | 991                       | 818                   | 740                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| apical culliover,  | years                                                                                                            | 2.57                  | 2.37                      | 2.06                  | 1.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| abor Efficiency    |                                                                                                                  |                       |                           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| orker equivalent   | •                                                                                                                | 2 0 2                 | / 50                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| perator/manager    |                                                                                                                  | 3.83                  | 4.50                      | 6.08                  | 8.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ilk sold/worker,   |                                                                                                                  | 1.50                  | 1.58                      | 1.67                  | 1.58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ows/worker         | LUS.                                                                                                             | 479,896               | 544,501                   | 594,859               | 757,942                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VAS/ AOTVET        | and the second | 31                    | 36                        | 37                    | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                    |                                                                                                                  | ~~~                   | <u></u>                   | `                     | and the second se |
| ork units/worker   |                                                                                                                  | 332                   | 379                       | 382                   | 439                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                    |                                                                                                                  | 332<br>\$357<br>\$116 | 379<br>\$338<br>\$102     | 382<br>\$387<br>\$145 | 439<br>\$393<br>\$166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

\*Average of all farms, not only those reporting data.

#### IDENTIFY AND SET GOALS

If businesses are to be successful they must have direction. Written goals help provide businesses with an identifiable direction over both the long and the short term. Goal setting is as important on a dairy farm as it is in other businesses. Written goals are a tool which farm operators can use to ensure that the business continues to move in the proper direction.

1. Goals should be specific.

2. Goals should be realistic and achievable.

3. The achievement of the goal should be verifiable.

4. You should designate a time when each goal will be achieved.

Goal setting on a dairy farm does not have to be a complex process. In many cases it provides a process for writing down and agreeing on goals that you have already given some thought to. It is also important to remember that once you write out your goals they are not cast in concrete. If a change takes place which has a major impact on the farm business, the goals should be reworked to accommodate that change. Refer to your goals as often as necessary to keep the farm business progressing.

It is important to identify both long and short range goals when looking at the future of your farm business.

A suggested format for writing out your goals is as follows:

- a. Begin with a general philosophy statement which incorporates both business and family goals.
- b. Identify 4-6 long range goals.
- c. Identify specific short range goals for a given time period (i.e., one year).

Worksheet for Setting Goals

I. General Philosophy and Objectives

## Worksheet for Setting Goals (continued)

II. Long Range Goals (require two or more years to achieve)

III. Short Range Goals (possible to achieve in one or two years).

| What                                                                                                                                                                                                                               | How  When |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| n <mark>an an a</mark>                                                                                                                                                                            |           |
|                                                                                                                                                                                                                                    |           |
|                                                                                                                                                                                                                                    |           |
|                                                                                                                                                                                                                                    |           |
|                                                                                                                                                                                                                                    |           |
|                                                                                                                                                                                                                                    |           |
| ta de la companya de<br>La companya de la comp |           |
|                                                                                                                                                                                                                                    |           |
| dina di perangkan di ketara.                                                                                                                                                                                                       |           |
|                                                                                                                                                                                                                                    |           |
|                                                                                                                                                                                                                                    |           |
|                                                                                                                                                                                                                                    |           |

NOTE: Once long and short range goals have been identified, it is helpful to rank them in order of priority.

Prepared by T.R. Maloney, Extension Associate, Cornell University

 $\beta = -i$ 

•