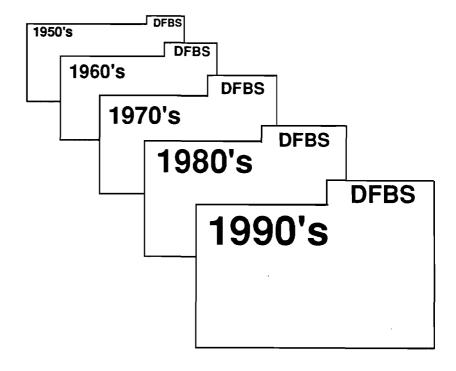
UMMARY

EASTERN NEW YORK RENTER SUMMARY 1990



Linda D. Putnam Stuart F. Smith

Department of Agricultural Economics
New York State College of Agriculture and Life Sciences
A Statutory College of the State University
Corneli University, ithaca, New York 14853-7801

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1990 EASTERN NEW YORK DAIRY FARM RENTER BUSINESS SUMMARY

INTRODUCTION

Dairy farmers throughout New York State submit business records for summarization and analysis through Cornell Cooperative Extension's Farm Business Management Program. Averages from a compilation of the individual farm reports are published in eight regional summaries and in one statewide summary. 1

Accrual procedures have been used to provide the most accurate accounting of farm receipts and farm expenses for measuring farm profits. An explanation of these procedures is found on pages 3-5. Four measures of farm profits are calculated on pages 6 and 7. The balance sheet and cash flow statement are featured on pages 8-13. The dairy program analysis includes data on the costs of producing milk (pages 16 and 17).

This special Eastern New York Dairy Summary is an average of 26 businesses that are renting substantially all of the farm real estate. The farm income, financial summary, and business analysis sections of this report include comparisons with average data on 138 owned dairy farms in the region. This report is prepared in workbook form for farm renters to use in the systematic study of their farm business operations.

Business records for 26 farms in Albany, Columbia, Delaware, Montgomery, Orange, Otsego, Rensselaer, Schoharie, Sullivan, and Washington Counties are summarized in this publication. The Eastern New York region consists of these counties plus Dutchess, Fulton, Greene, Herkimer, Saratoga, Schenectady, and Ulster Counties which do not have dairy farm business summary participants that classify as renters. The 138 owned dairy farms summarized in this publication include farms from the entire region.

Use Comparative Profitability Data With Caution

The profitability analysis on page 7 where labor and management income is calculated implies that renting a dairy farm is more profitable than owning one. Concessionary rental rates set by some land owners is a major factor. The farm owners are often father and mother and other landlords who are willing to accept a very low return for their investment. Total real estate costs including depreciation and interest on equity capital averaged \$163 per tillable acre on the owned dairy farms compared to only \$108 on the rented farms. This accounts for a \$21,499 difference in costs between owned and rented farms.

¹Smith, Stuart F., Wayne A. Knoblauch, and Linda D. Putnam, <u>Dairy Farm</u>
<u>Management Business Summary, New York, 1990</u>, A.E. Res. 91-5, August 1991.

SUMMARY AND ANALYSIS OF THE FARM BUSINESS

Business Characteristics and Resources Used

Recognition of important business characteristics and identification of the farm resources used are necessary for evaluating management performance. The combination of resources and management practices is known as farm organization. Important farm business characteristics, the number of farms reporting these characteristics, and a listing of the average labor, land, and dairy cattle resources used are presented in the following table.

BUSINESS CHARACTERISTICS AND RESOURCES USED 26 Eastern New York Dairy Farm Renters, 1990

Type of Business Single proprietorship Partnership Corporation Milking System	Number 23 2 1 Number	Labor Force Operator 1. Operator 2. Operator 3. Family paid Family unpaid	My Farm mo. mo. mo. mo. mo. mo.	0.92 2.08
Dumping station	2	Hired	mo.	
Pipeline	23	Total	то.	27.00
Herringbone parlor Other parlor	0	Worker equivalent (total + 12)		2.25
Type of Barn	<u>Number</u>	Operator/Manager		
Stanchion	25	Equivalent		
Freestall	1	(Oper. mo. + 12)		1.29
Dairy Records Service DHIC DHIC Owner-Sampler Other None	Number 21 3 1	<u>Land Use</u> Total acres rented Tillable acres rented	My Farm	<u>Average</u> 373 206
Business Record System Account Book Agrifax (mail-in only)	<u>Number</u> 10 4	Number of Cows Beg. year (owned) End year (owned &	My Farm	Average 60
ELFAC	1	leased)		61
Other	7	Average for year		
On-farm computer	4	(owned & leased)		61

Predominate business characteristics of the 26 rented farms include the single proprietorship, pipeline milking system, stanchion or conventional stall barn, DHIC herd records and an account book record system. They are very similar to owned dairy farms in this respect.

The average size of the labor force on the rented farms was 21 percent less than the 2.84 worker equivalent on owned farms. The rented farms averaged 206 tillable acres and 61 cows compared to 269 tillable acres and 87 cows on the 138 owned dairy farms in the same region. The owned farms averaged 31 cows per worker compared to 27 on the rented farms. Land resources were being used more efficiently by dairy farm owners when measured as tillable acres per cow.

Income Statement

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

CASH AND ACCRUAL FARM EXPENSES 26 Eastern New York Dairy Farm Renters, 1990

	Cash	Change in Inventory or Prepaid	Change in	Accrual
Expense Item	Paid +	•	Accounts Payable	•
Hired Labor	\$ 9,305	\$ 0 «	\$170	\$ 9,475
Feed				
Dairy grain & conc.	39,615	-1,960	296	37,951
Dairy roughage	1,854	-218	307	1,943
Other livestock	96	-4	0	92
<u>Machinery</u>				
Mach. hire, rent/lease	2,084	0 «	0	2,084
Machinery repairs/parts	7,834	-260	78	7,652
Auto expense (farm share		0 «	0	531
Fuel, oil & grease	4,697	-153	-19	4,525
<u>Livestock</u>				
Replacement livestock	2,908	0 «	0	2,908
Breeding	2,415	-62	30	2,383
Vet & medicine	3,237	-46	3	3,194
Milk marketing	9,869	0 «	6	9,875
Cattle lease/rent	219	0 «	0	219
Other livestock expense	7,812	171	12	7,995
Crops				
Fertilizer & lime	5,843	-450	5	5,398
Seeds & plants	2,132	- 24	0	2,108
Spray, other crop exp.	2,206	-244	16	1,978
<u>Real Estate</u>				
Land/bldg./fence repair	2,674	-37	-4	2,633
Taxes	1,940	0 «	0 .	1,940
Rent & lease	10,234	0 «	0	10,234
<u>Other</u>				
Insurance	2,558	0 «	0	2,558
Telephone (farm share)	608	0 «	2	610
Electricity (farm share)	4,183	0 «	0	4,183
Interest paid	6,280	0 «	0	6,280
Miscellaneous	1,810	0	0	1,810
Total Operating	\$132,944	\$-3,287	\$902	\$130,559
Expansion livestock	\$182	\$0 «	\$ 0	\$182
Machinery depreciation	-	•	•	\$9,533
Building depreciation				\$206
TOTAL ACCRUAL EXPENSES				\$140,480

<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.

Change in inventory: An increase in inventory is 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.

Changes in prepaid expenses apply to non-inventory categories (noted by « in the tables). Include any expenses that have been paid for in advance of their use, for example, 1991 rent paid in 1990. A positive change is the amount the prepayment account declined from beginning to end year, a negative change indicates an increase in the account.

<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.

Worksheets are provided to enable any dairy farmer to compute his or her accrual farm expenses and compare them with the averages on the previous page.

CASH AND ACCRUAL FARM EXPENSES WORKSHEET

Change in Inventory Or Prepaid Change in Accrual	CASH AND	ACCRUAL	FARM EXPENSES	WORKSHEET	
Feed Dairy grain & conc.	Expense Item		Inventory or Prepaid	_	
Feed Dairy grain & conc.	Hired Labor \$		\$ «	\$	\$
Dairy grain & conc. Dairy roughage			· 	·	•
Dairy roughage					
Machinery " Machinery repairs/parts " Auto expense (farm share) " Fuel, oil & grease " Livestock " Replacement livestock " Breeding " Vet & medicine " Milk marketing " Cattle lease/rent " Other livestock expense " Grops Fertilizer & lime Seeds & plants Spray, other crop exp. Real Estate * Land/bldg./fence repair " Taxes " Rent & lease " Other " Insurance " Telephone (farm share) " Electricity (farm share) " Interest paid " Miscellaneous " Total Operating \$ Expansion livestock " Machinery depreciation "					
Mach. hire, rent/lease * Machinery repairs/parts * Auto expense (farm share) * Fuel, oil & grease * Livestock * Replacement livestock * Breeding * Vet & medicine * Milk marketing * Cattle lease/rent * Other livestock expense * Crops * Fertilizer & lime * Seeds & plants * Spray, other crop exp. * Real Estate * Land/bldg./fence repair * Taxes * Rent & lease * Other * Insurance * Telephone (farm share) * Electricity (farm share) * Electricity (farm share) * Interest paid * Miscellaneous * Total Operating \$ Expansion livestock * Machiner	Other livestock				
Machinery repairs/parts	Machinery		<u></u>		
Machinery repairs/parts	Mach. hire, rent/lease		•		
Auto expense (farm share) Fuel, oil & grease Livestock Replacement livestock Breeding Vet & medicine Milk marketing Cattle lease/rent Other livestock expense Crops Fertilizer & lime Seeds & plants Spray, other crop exp. Real Estate Land/bldg./fence repair Taxes Rent & lease Other Insurance Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous Total Operating Expansion livestock Machinery depreciation Building depreciation					
Fuel, oil & grease Livestock Replacement livestock * Breeding * Vet & medicine * Milk marketing * Cattle lease/rent * Other livestock expense * Crops * Fertilizer & lime * Seeds & plants * Spray, other crop exp. * Real Estate * Land/bldg./fence repair * Taxes * Rent & lease * Other * Insurance * Telephone (farm share) * Electricity (farm share) * Interest paid * Miscellaneous * Total Operating \$ Expansion livestock * Machinery depreciation *					
Livestock * Breeding * Vet & medicine * Milk marketing * Cattle lease/rent * Other livestock expense * Crops Fertilizer & lime Seeds & plants * Spray, other crop exp. * Real Estate * Land/bldg./fence repair * Taxes * Rent & lease * Other * Insurance * Telephone (farm share) * Electricity (farm share) * Interest paid * Miscellaneous * Total Operating \$ Expansion livestock * Machinery depreciation * Building depreciation *	-				
Breeding Wet & medicine Milk marketing	-				
Vet & medicine " Milk marketing " Cattle lease/rent " Other livestock expense " Crops Fertilizer & lime Seeds & plants Spray, other crop exp. Real Estate " Land/bldg./fence repair " Taxes " Rent & lease " Other Insurance Telephone (farm share) " Electricity (farm share) " Interest paid " Miscellaneous " Total Operating \$ Expansion livestock " Machinery depreciation "	Replacement livestock		_ «		
Milk marketing " Cattle lease/rent " Other livestock expense " Crops Fertilizer & lime Seeds & plants " Spray, other crop exp. Real Estate Land/bldg./fence repair " Taxes " Rent & lease " Other " Insurance " Telephone (farm share) " Interest paid " Miscellaneous " Total Operating \$ Expansion livestock " Machinery depreciation " Building depreciation "	Breeding				
Cattle lease/rent " Other livestock expense " Crops Fertilizer & lime Seeds & plants " Spray, other crop exp. Real Estate Land/bldg./fence repair " Taxes " Rent & lease " Other Insurance Telephone (farm share) " Electricity (farm share) " Interest paid " Miscellaneous " Total Operating \$ Expansion livestock " Machinery depreciation "	Vet & medicine				
Other livestock expense Crops Fertilizer & lime Seeds & plants Spray, other crop exp. Real Estate Land/bldg./fence repair * Taxes * Rent & lease * Other Insurance Telephone (farm share) * Electricity (farm share) * Interest paid * Miscellaneous * Total Operating \$ Expansion livestock * Machinery depreciation *	Milk marketing		«		
Crops Fertilizer & lime Seeds & plants Spray, other crop exp. Real Estate Land/bldg./fence repair Taxes « Rent & lease « Other Insurance Telephone (farm share) « Electricity (farm share) « Interest paid « Miscellaneous * Total Operating \$ Expansion livestock « Machinery depreciation *	Cattle lease/rent		«	<u> </u>	
Fertilizer & lime Seeds & plants Spray, other crop exp.	Other livestock expense				
Seeds & plants Spray, other crop exp. Real Estate Land/bldg./fence repair Taxes « Rent & lease « Other Insurance « Telephone (farm share) « Electricity (farm share) « Interest paid « Miscellaneous Total Operating \$ Expansion livestock « Machinery depreciation	<u>Crops</u>				
Spray, other crop exp. Real Estate Land/bldg./fence repair """"""""""""""""""""""""""""""""""""	Fertilizer & lime				
Real Estate Land/bldg./fence repair Taxes « Rent & lease « Other — Insurance « Telephone (farm share) « Electricity (farm share) « Interest paid « Miscellaneous — Total Operating \$ Expansion livestock « Machinery depreciation — Building depreciation —	Seeds & plants				
Land/bldg./fence repair " Taxes " Rent & lease " Other " Insurance " Telephone (farm share) " Electricity (farm share) " Interest paid " Miscellaneous " Total Operating \$ Expansion livestock " Machinery depreciation " Building depreciation "	Spray, other crop exp.				
Taxes « Rent & lease « Other Insurance Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous Total Operating \$ Expansion livestock Machinery depreciation Building depreciation	Real Estate				
Rent & lease « Other Insurance « Telephone (farm share) « Electricity (farm share) « Interest paid « Miscellaneous — Total Operating \$ Expansion livestock « Machinery depreciation — Building depreciation —	Land/bldg./fence repair				
Other Insurance " Telephone (farm share) " Electricity (farm share) " Interest paid " Miscellaneous " Total Operating \$ Expansion livestock " Machinery depreciation " Building depreciation "	Taxes		«		
Insurance	Rent & lease		«		
Telephone (farm share)	<u>Other</u>	_			
Electricity (farm share)	Insurance		«		
Interest paid Miscellaneous Total Operating \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Telephone (farm share)		«		
Miscellaneous Total Operating \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Electricity (farm share)				
Total Operating \$ \$ \$ \$ \$ Expansion livestock	Interest paid		«		
Expansion livestock	Miscellaneous				
Machinery depreciation Building depreciation			\$	\$	\$
Building depreciation	Expansion livestock		«		
	Machinery depreciation				
TOTAL ACCRUAL EXPENSES \$					
	TOTAL ACCRUAL EXPENSES				\$

CASH AND ACCRUAL FARM RECEIPTS 26 Eastern New York Dairy Farm Renters, 1990

Receipt Item	Cash Receipts	Change in	Change in Accounts + Receivable	Accrual - Receipts
Milk sales	\$153,306		\$-2,187	\$151,119
Dairy cattle	8,463	\$2,710	393	11,566
Dairy calves	2,395		-22	2,373
Other livestock	23	12	0	. 35
Crops	1,451	4,154	0	5,605
Government receipts	1,582	0*	0	1,582
Custom machine work	263		0	263
Gas tax refund	126		0	126
Other	651		0	651
- Nonfarm noncash capital		(-) <u>706</u>		(-) <u>706</u>
Total Accrual Receipts	\$168,260	\$6,170	\$-1,816	\$172,614

^{*}Change in advanced government receipts.

<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. Nonfarm income is not included in calculating farm profitability.

<u>Changes in inventory</u> are calculated by subtracting beginning of year values from end of year values <u>excluding appreciation</u>. Increases in livestock inventory caused by herd growth and/or quality are added and decreases caused by herd reduction and for quality are subtracted. Changes in inventories of crops grown are also calculated. Changes in advanced government receipts are calculated by subtracting the end year balance from the beginning year balance (balances are listed with the current liabilities on the Balance Sheet).

<u>Changes in accounts receivable</u> are calculated by subtracting beginning year balances from end year balances. The January milk check for this December's marketings compared with the previous January's check is included as a change in accounts receivable.

<u>Accrual receipts</u> represent the value of all farm commodities produced and services actually generated by the farmer during the year.

CASH AND ACCRUAL FARM RECEIPT WORKSHEET

Receipt Item	Cash Receipts	+	Change in Inventory	+	Change in Accounts Receivable	Accrual - Receipts
Milk sales Dairy cattle Dairy calves Other livestock Crops Government receipts Custom machine work Gas tax refund Other	\$		\$		\$	\$
Less gifts of cattle & c Total Accrual Receipts	rops \$	(-	\$		\$	(-)

^{**}Gifts or inheritances of cattle or crops included in inventory.

Profitability Analysis

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

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

Net farm income is computed with and without appreciation. Appreciation represents the change in values caused by annual changes in prices 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 for a complete profitability analysis.

NET FARM INCOME
Eastern New York Dairy Farm Renters and Owners, 1990

Item	26 Dairy Farm Renters	138 Dairy Farm Owners	My Farm
Total accrual receipts	\$172,614	\$258,648	s
+ Appreciation: Livestock	-389	-1,187	•
Machinery	2,247	1,544	
Real Estate	-149	6,644	
Other Stock/Cert.	16	156	
- Total Including Appreciation	\$174,339	\$265,805	\$
- Total accrual expenses	140,480	224,604	
- Net Farm Income (with appreciation)	\$ 33,859	\$ 41,201	\$
Net Farm Income (without appreciation)	\$ 32,134	\$ 34,044	\$

Return to operators' labor, management, and equity capital measures the total business profits for the farm operator(s). 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 calculated with and without appreciation. Appreciation is considered an important part of the return to ownership of farm assets.

RETURN TO OPERATOR(S') LABOR, MANAGEMENT, AND EQUITY Eastern New York Dairy Farm Renters and Owners, 1990

Item	26 Dairy Farm Renters	138 Dairy Farm Owners	My Farm
Net farm income (with appreciation)	\$33,859	\$41,201	\$
- Family labor unpaid @ \$1,250 per month - Return to operators' labor, management		<u>3,675</u>	
& equity (with appreciation)	\$29,384	\$37,526	\$
- Appreciation	1,725	7,157	
- Return to operators' labor, management & equity (without appreciation)	\$27,659	\$30,369	\$

Labor and management income is the return which farm operators receive for their labor and management used in operating the farm business. Appreciation is not included as part of the return to labor and management because it results from ownership of assets rather than management of the farm business. Labor and management income is calculated by deducting the opportunity 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 of five percent 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
Eastern New York Dairy Farm Renters and Owners, 1990

Item	26 Dairy Farm Renters	138 Dairy Farm Owners	My Farm
Return to operators' labor, mgmt.,	407.750	420.260	•
& equity without appreciation - Real interest @ 5% on average	\$27,659	\$30,369	۶
equity capital	<u>7.316</u>	22,052	
- Labor & Management Income Labor & Management Income per	\$20,343	\$ 8,317	\$
Operator/Manager	\$15,770	\$ 6,207	\$

Return on equity capital measures the net return remaining for the farmer's equity or owned capital after a charge has been made for the owner-operator's labor and management. The earnings or amount of net farm income allocated to labor and management is the opportunity cost 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 total capital is calculated by adding interest paid to the return on equity capital and then dividing by average farm assets to calculate the rate of return on total capital.

RETURN ON EQUITY CAPITAL AND RETURN ON TOTAL CAPITAL Eastern New York Dairy Farm Renters and Owners, 1990

	26 Dairy	138 Dairy	
<u> Item</u>	Farm Renters	Farm Owners	My Farm
Return to operators' labor, mgmt.,			
& equity capital with apprec.	\$29,384	\$37,526	\$
- Value of operators' labor & mgmt.	26,038	<u>27,357</u>	
- Return on equity capital with appro	ec. \$ 3,346	\$10,169	\$ <u></u>
+ Interest paid	6,280	15,908	
- Return on total capital with appre-	c. \$ 9,626	\$26,077	\$
Return on equity capital without app		\$ 3,012	\$ <u></u>
Return on total capital without appro		\$18,920	\$
Rate of return on average equity cap			
with appreciation	2.3%	2.3%	8
without appreciation	1.1%	0.7%	
Rate of return on average total capi	tal:		
with appreciation	4.3%	4.2%	8
without appreciation	3.5%	3.0%	

Farm and Family Financial Status

The first step in evaluating the financial status of the farm is to construct a balance sheet which identifies all the assets and liabilities of the business. The second step is to evaluate the relationship between assets, liabilities, and net worth and changes that occurred during the year.

1990 FARM BUSINESS & NONFARM BALANCE SHEET 26 Eastern New York Dairy Farm Renters

		Farm Liabilities		
Farm Assets Jan. 1	Dec,_31	& Net Worth	<u>Jan. 1</u>	<u>Dec. 31</u>
Current		<u>Current</u>		
Farm cash, checking		Accounts payable	\$ 2,423	\$ 3,324
& savings \$ 3,557	\$ 2,806	Operating debt		965
Accounts rec. 12,906			2,293	2,297
Prepaid exp. 56		Advanced govt. rec	0	. 0
Feed & supplies 27,035	34,474	Total	\$ 5,488	\$ 6,586
Total \$ 43,554			•	
<u>Intermediate</u>		<u>Intermediate</u>		
Dairy cows: owned \$ 64,080	\$ 63,694	Structured debt		
leased 770	645	1-10 years	\$ 61,022	\$ 64,460
Heifers 22,759	25,472	Financial lease		
Bulls/other lvstk. 287	290	(cattle/mach.)	3,533	3,212
Mach./eq. owned 73,415	84,450	FLB/PCA stock	761	490
Mach./eq. leased 2,763		•		
FLB/PCA stock 761	490	Total	\$ 65,316	\$ 68,162
Other stock/cert. 1.829	2.011			
Total \$166,664	\$179,619	Long Term		
Long-Term		Structured debt		
Land/buildings:		≥10 years	\$ 7,100	\$ 6,908
owned \$ 4,925	\$ 9,008	Financial lease		
leased(0	(structures)	0	0
Total \$ 4,925	\$ 9,008	Total	\$ 7,100	\$ 6,908
Total Farm Assets \$215,143	\$237,053	Total Farm Liab.	\$ 77,904	\$ 81,656
		FARM NET WORTH	\$137,239	\$155,397
(Average for 17 farms repo	orting)	Nonfarm Liabiliti	es*	_
Nonfarm Assets* Jan. 1	Dec. 31	& Net Worth	<u> Jan. 1</u>	<u>Dec. 31</u>
Personal cash, chkg.		Nonfarm Liab.	\$4,875	\$4,125
& savings \$ 2,0	048 \$ 1,767	NONFARM NET WORTH		
Cash value life ins. 4,4			, ,	, ,
	65 14,712	FARM & NONFARM*	Jan. 1	Dec, 31
Auto (personal sh.) 3,4		Total Assets	_	
· · · · · · · · · · · · · · · · · · ·	786 2,045	Total Liabilities		85,781
	8,788	1		
All other		TOTAL FARM & NON-		
Total Nonfarm \$36,4		FARM NET WORTH	\$168,809	\$189,015

^{*}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 value of all future payments is listed as a liability since the farmer is committed to make the payments by signing the lease. The present value is also listed as an asset, representing the future value the item has to the business.

Advanced government receipts are included as current liabilities. Government payments received in 1990 that are for participation in the 1991 program are the end year balance and payments received in 1989 for participation in the 1990 program are the beginning year balance.

	TAKE BU	21NE22 & NC	ONFARM BALANCE SHEET		
Farm Assets	Jan. 1	Dec. 31	Farm Liabilities & Net Worth	Jan, 1	Déc. 31
Current			Current		
Farm cash, checking	,		Accounts payable		
& savings			Operating debt:		
Accounts rec.					
Prepaid expense					
Feed & supplies			Short Term:		<u> </u>
Total					-
Intermediate			Adv. govt. rec.		
Dairy cows:			Total		
owned			<u>Intermediate</u>		
leased					
Heifers					
Bulls/other lvstk.					
Mach./eq. owned					
Mach./eq. leased					
FLB/PCA stock			Financial lease		
Other stock/cert.			(cattle/mach.)		
Total			FLB/PCA stock		
			Total		
			Long-Term		
Long-Term					
Land/buildings:					
owned					
leased					
			Financial lease		
Total			(structures)		
			Total		
Total Farm Assets			Total Farm Liab.		
			FARM NET WORTH		
Non-form Associa	Tan 1	Dan 21	Nonfarm Liabilitie		D 21
Nonfarm Assets	Jan. 1	<u>Dec. 31</u>	& Net Worth	Jan. 1	<u>Dec. 31</u>
Personal cash, chkg & savings	5.		Nonfarm Liab.:		
Cash val. life ins.					
Nonfarm real est.					
					
Auto (pres. share) Stocks & bonds			Total Nonfarm		
Household furn.			Liabilities		
All other			Nonfarm		
Total Nonfarm			Net Worth		
Total Nomain			Mer Molth		
TOTAL FARM & NONFAR			Jan. 1	Dec	:. 31
Total Farm & Nonfar					
Less Total Farm & N		abilities			
Farm & Nonfarm Net	Worth			_	

Balance sheet analysis requires an examination of financial and debt ratios measuring levels of debt. Percent equity is calculated by dividing end of year net worth by end of year assets. 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 levels per unit of production include some old standards that are still useful if used with measures of cash flow and repayment ability. The change in farm net worth without appreciation is an excellent indicator of financial progress.

BALANCE SHEET ANALYSIS
Eastern New York Dairy Farm Renters and Owners, 1990

	26 Dairy	138 Dairy	
<u>Item</u>	Farm Renters	Farm Owners	My Farm
Financial Ratios - Farm:			
Percent equity	66%	70%	*
Debt/asset ratio: total	0.34	0.30	
long-term	0.77	0.31	
intermediate/current	0.33	0.29	
Change in Net Worth:			
Without appreciation	\$16,433	\$2,281	\$
With appreciation	\$18,158	\$9,438	·
Farm Debt Analysis:	•		
Accounts payable as % of total debt	4%	3€	*
Long-term liabilities as a % of total do	ebt 8%	52%	- <u></u> 8
Current & inter. liab. as a % of total	debt 92%	48%	
Farm Debt Levels Per Cow:			
Total farm debt	\$1,339	\$2,174	\$
Long-term debt	113	1,122	
Intermediate & current debt	1,225	1,052	

Farm inventory balance is an accounting of the value of machinery and equipment 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. Net investment indicates whether the capital stock is being expanded (positive) or depleted (negative).

FARM MACHINERY AND EQUIPMENT INVENTORY BALANCE Eastern New York Dairy Farm Renters and Owners, 1990

	26 Dairy	138 Dairy	
Item	Farm Renters	Farm Owners	My Farm
Value beg. of year	\$73,415	\$101,323	\$
Purchases	\$17,209	\$20,282	\$
+ Nonfarm noncash			
transfer	1,577	0	+
- Sales	466	1,544	•
- Depreciation	9,533	12,060	-
- Net investment	8,787	6,678	=+
+ Appreciation	2,247	1,544	+
- Value end of year	\$84,450	\$109,545	\$

Cash Flow Statement

Completing an annual cash flow statement is an important step in understanding the sources and uses of funds for the business. 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. By definition, total cash inflows must equal total cash outflows when beginning and ending balances are included. Any imbalance is, therefore, the error from incorrect accounting of cash inflows and cash outflows.

ANNUAL CASH FLOW STATEMENT
Eastern New York Dairy Farm Renters and Owners, 1990

	26 Dairy	138 Dairy	
Item	Farm Renters	Farm Owners	My Farm
Cash Inflows			
Beg. farm cash, checking & savings	\$ 3,557	\$ 7,714	\$
Cash farm receipts	168,260	253,764	
Sale of assets: Machinery	466	1,544	
Real estate	0	3,614	
Other stock & cert.	1	187	
Money borrowed (inter. & long-term)	22,229	35,808	
Money borrowed (short-term)	1,894	2,911	
Increase in operating debt	193	1,047	
Nonfarm income	3,489	4,345	
Cash from nonfarm cap. used in the bus	iness 3,209	2,893	
Money borrowed - nonfarm	0	239	
Total	\$203,298	\$314,066	\$
Cash Outflows			
Cash farm expenses	\$132,944	\$206,001	\$
Capital purchases: Expansion livestock	182	1,943	
Machinery	17,209	20,282	
Real estate	4,481	20,105	
Other stock & cert.	167	256	
Principal payments (inter. & long-term) 18,983	22,896	
Principal payments (short-term)	1,890	1,662	
Decrease in operating debt	0	0	
Personal withdrawals & family expendit	ures,		
including nonfarm debt payments	24,696	35,164	
Ending farm cash, checking & savings	2,806	4,949	
Total	\$203,357	\$313,258	\$
Imbalance (error)	\$- 59	\$808	\$

Repayment Analysis

The second step in cash flow analysis is to compare the debt payments planned for the last year with the amount actually paid. The measures listed below provide a number of different perspectives on the repayment performance of the business. However, the critical question to many farmers and lenders is whether planned payments can be made in 1991. The cash flow projection worksheet on the next page can be used to estimate repayment ability, which can then be compared to planned 1991 debt payments shown below.

FARM DEBT PAYMENTS PLANNED

Same 19 Eastern New York Dairy Farm Renters, 1990*

		Average		1	ly Farm	
	1990 Pay	ments	Planned	1990 Par	yments	Planned
<u>Debt Payments</u>	Planned	<u>Made</u>	1991	Planned	<u>Made</u>	1991
Long-term	\$ 1,600	\$ 0	\$ 853	\$	\$	\$
Intermediate-term	18,714	27,758	19,606			
Short-term	884	1,013	2,076			
Operating (net red.) 457	329	166			
Accounts payable						
(net reduction)	321	0	0		_	_
Total	\$21,977	\$29,100	\$22,700	\$	\$	\$
Per cow	\$349	\$462		\$	\$	
Per cwt. 1990 milk	\$2.20	\$2.92		\$	\$	_
Percent of total	-	-		·	<u>-</u>	_
1990 receipts	12%	16%				
Percent of 1990						-
milk receipts	14%	19%				_

^{*}Farms that completed Dairy Farm Business Summaries for both 1989 and 1990.

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 1990.

CASH FLOW COVERAGE RATIO
Eastern New York Dairy Farm Renters and Owners, 1990

Item	Same 19 Farm Renters	Same 101 Farm Owners	My Farm
Cash farm receipts	\$174,509	\$258,578	\$
- Cash farm expenses	135,479	208,642	
+ Interest paid	6,393	14,825	
- Net personal withdrawals from farm	* <u>23,366</u>	31,223	
(A) = Amount Available for Debt Service	\$22,057	\$33,538	\$
(B) - Debt Payments Planned for 1990			
(as of December 31, 1989)	\$21,977	\$35,071	\$
(A + B) = Cash Flow Coverage Ratio for 1	990 1.00	0.96	

^{*}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.

ANNUAL CASH FLOW WORKSHEEET

	26 Dairy	M	y Farm	Expected	1991
<u>Item</u>	Farm Renter	rs Total	Per Cow	Change	Projection
	(per cow)				
Average number of cows	61		_		-
Accrual Oper, Receipts					
Milk	\$2,486	\$	\$. \$
Dairy cattle	190				
Dairy calves	39				
Other livestock	1		_		·
Crops	92				
Misc. receipts	43				
Total	\$2,851	\$	\$		\$
Accrual Oper, Expenses					
Hired labor	\$ 156	\$	_ \$		Ś
Dairy grain & conc.	624	٧	_		. •
Dairy roughage	32				
Other lystk, feed	2		_	_	
	34				
Mach. hire/rent/lease			-		
Mach. repair/parts & auto	135				-
Fuel, oil & grease	74				
Replacement lvstk.	48				<u> </u>
Breeding	39				-
Vet & medicine	53			-	<u> </u>
Milk marketing	162				
Cattle lease	4				<u> </u>
Other lvstk. exp.	132				
Fertilizer & lime	89				_
Seeds & plants	35				<u> </u>
Spray/other crop exp.	33	<u></u>	<u> </u>		<u> </u>
Land, bldg.,fence repair	43				
Taxes	32				
Real est. rent/lease	168				
Insurance	42				
Utilities	79				
Miscellaneous	30				
Total Less Int. Paid	\$2,044	\$	\$	\$	\$
Net Accrual Operating Inc	ome (+	otal)			
(without interest paid)		9,040	\$		ċ
- Change in lvstk./crop i			¥		Ψ
· · ·		6,170			
- Change in accts. rec.		1,816		-	
+ Change in feed/supply i		3,287		-	
+ Change in accts. payabl		902	^		
NET CASH FLOW		2,301	۶		۶
- Net personal withdrawal					
family expenditures		<u>1,207</u>			
Available for Farm Debt P	•	1 001			•
& Investments	•	1,094	Ş		\$
- Farm debt payments		7.051			
Available for Farm Invest	•	5,957	\$		\$
Conital numbers of eath	le,				
- Capital purchases: catt					
machinery & improvement Additional Capital Needed	s \$2	2,039	\$	\$	<u> \$</u>

^{*}Includes change in prepaid expenses.

**Excludes change in interest account payable.

Cropping Program Analysis

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

LAND RESOURCES AND CROP PRODUCTION
26 Eastern New York Dairy Farm Renters, 1990

<u>Item</u>	Averag	e of Fa	rms Reporting	My Farm		
Crop Yields	<u>Farms</u>	<u>Acres</u>	Prod/Acre*	<u>Acres</u>	Prod/Acre	
Hay crop	25	130	2.50 tn DM		tn DM	
Corn silage	21	49	13.36 tn		tn	
_			4.41 tn DM		tn DM	
Other forage	1	18	2.17 tn DM		tn DM	
Total forage	25	172	2.88 tn DM	<u> </u>	tn DM	
Corn grain	8	56	93.79 bu		bu	
Oats	2	35	60.00 bu		bu	
Wheat	1	15	60.00 bu		<u>—</u> bu	
Other crops	3	24				
Tillable pasture	7	25				
Idle	5	29				
Total Tillable Acres	26	206				

^{*1990} average yields for 138 dairy farm owners in Eastern New York included: all hay crops, 2.5 tons dry matter per acre; corn silage, 14.5 tons per acre.

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 indicate how efficiently the land resource is being used and how well total forage requirements are being met.

CROP MANAGEMENT FACTORS

Eastern New York Dairy Farm Renters and Owners, 1990

Item	26 Dairy Farm Renters	138 Dairy Farm Owners	My Farm
Total tillable acres per cow	3.31	3.11	
Total forage acres per cow	2.73	2.67	
Harvested forage dry matter, tons per co	ow 7.85	8.24	

A substantial number of cooperators have allocated crop expenses to hay crop, corn, and other crop production. Fertilizer and lime, seeds and plants, and spray and other crop expenses have been computed per acre and per production unit for hay and corn. Additional expense items such as fuels, labor, and machinery repairs are not included.

CROP RELATED ACCRUAL EXPENSES
Eastern New York Dairy Farm Renters and Owners, 1990

	Total/	Hay (Crop	A11	Corn Sil.	Corn Grain
	Till.	Per	Per	Corn	Per Ton	Per Dry
Expense	Acre	<u>Acre</u>	Ton DM			Shell Bu.
26 Dairy Farm Rente	: <u>rs</u> :	Average	7 Farms	Reporting :	Individual	Crop Costs
Fertilizer & lime		\$13.78			\$11.09	\$0.41
Seeds & plants	10.49	6.00	2.57	20.58	5.85	0.22
Spray & other crop						
expense	9.84	4,53	1.94	28.04	7.97	0.30
Total	\$47.19	$\frac{4.53}{$24.31}$	\$10.41		\$24.91	\$0.93
138 Dairy Farm Owne	rs:	Average	40 Farms	Reporting	Individual	Crop Costs
Fertilizer & lime	\$28.01	\$16.31			\$11.79	\$0.49
Seeds & plants	11.58	6.45	•	22.87	4.86	0.20
Spray & other crop						
expense	<u>11.54</u>	2.63	1.17	32.55	6.91	0.29
Total	\$51.13	$\frac{2.63}{$25.39}$	\$11.34	\$110.95	\$23.56	\$0.98
My Farm:						
Fertilizer & lime	\$	\$	\$	\$	\$	\$
Seeds & plants	•	·	·	,	•	•
Spray & other crop expense						
Total	\$	\$	\$	\$	\$	\$

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

ACCRUAL MACHINERY EXPENSES
Eastern New York Dairy Farm Renters and Owners, 1990

	Average Per T	illable Acre	My Farm		
	26 Dairy	138 Dairy	Total	Per Til.	
<u>Item</u>	Farm Renters	Farm Owners	Expenses	Acres	
Fuel, oil & grease	\$ 22.51	\$ 24.62	\$	\$	
Machinery repairs & parts	38.07	44.71			
Machine hire, rent & lease	10.37	13.01			
Auto expense (farm share)	2.64	2.99			
Interest (5%)	19.63	19.60		<u> </u>	
Depreciation	47.43	44.83		<u> </u>	
Total	\$140.65	\$149.77	\$	\$	

Dairy Program Analysis

Analysis of the dairy enterprise can tell a great deal about the strengths and weaknesses of the dairy farm business. Information on this page should be used in conjunction with DHI and other dairy production information. 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 increase in inventory is included as an accrual farm receipt when calculating profitability without appreciation impacts.

DAIRY HERD INVENTORY
Eastern New York Dairy Farm Renters and Owners, 1990

	Da:	iry Cows			<u> Heifers</u>		
		-	Bred		Open	C	<u>alves</u>
<u> Item</u>	No.	Value	No, Value	No.	Value	No.	Value
26 Dairy Farm Renters:							
Beg. year (owned)	60	\$64,080	14 \$12,048	1/4	\$7,038	16	\$3,672
+ Change w/o apprec.	00	-41	2,105	17	22	10	624
+ Appreciation		<u>-345</u>	<u>-59</u>		<u> 57</u>		
End year (owned)	60	\$63,694	$16 \frac{35}{$14,094}$		$\frac{37}{57,117}$	17	
End incl. leased	61	400,00			4.,==.		7 .,
Average number	61		46 (all age	grou	ıps)		
120 Daiwy Farm Comana							
138 Dairy Farm Owners:	86	\$88,222	22 \$18,344	21	\$11,097	21	\$5,341
Beg. year (owned) + Change w/o apprec.	00	3,361	708	21	598	21	396
+ Appreciation		<u>-1,150</u>	-100		86		<u>- 74</u>
End year (owned)	89	\$90,433	$\frac{-100}{23}$ \$18,952		\$11,781	22	
End incl. leased	89	φ20,433	25 910,752	23	γII,/0I	22	43,003
Average number	87		66 (all age	grai	ine)		
iiverage namber	0,		oo (all age	groc	.ps/		
My Farm:							
Beg. of year (owned)		\$	\$		\$		\$
+ Change w/o apprec.							
+ Appreciation		<u> </u>			<u>. </u>		<u>,</u>
End of year (owned)		\$	\$		\$		\$
End including leased			. 11		,		
Average number			(all age	gro	ıps)		

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. Farm managers on DHI should compare milk sold per cow with rolling herd average on the test date nearest December 31.

MILK PRODUCTION

Eastern New York Dairy Farm Renters and Owners, 1990

Item	26 Dairy Farm Renters	138 Dairy Farm Owners	My Farm
Total milk sold, lbs.	976,568	1,463,299	
Milk sold per cow, lbs. Average milk plant test, % butterfat	16,060 3.69	16,911 3.63	

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

ACCRUAL RECEIPTS FROM DAIRY AND COST OF PRODUCING MILK Eastern New York Dairy Farm Renters and Owners, 1990

	26 R	26 Renters)wners	My Farm	
<u> </u>	Total	Per Cwt.	Total	Per Cwt.	Total	Per Cwt.
Accrual Costs of Producing Milk	^1 00 0/6	411 10	A170 (01	411 05	•	•
Operating costs Total costs with- out op(s') labor,	\$109,246	\$11.19	\$173,401	\$11.85	\$	\$
mgmt. & capital	\$123,460	•	\$195,939	\$13.39		\$
Total Costs	\$156,814	\$16.06	\$245,348	\$16.77	\$	\$
Accrual Receipts from Milk	\$151,119	\$15.47	\$226,307	\$15.47	\$	\$

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 for strengths and areas for improvement.

DAIRY RELATED ACCRUAL EXPENSES
Eastern New York Dairy Farm Renters and Owners, 1990

	Average Pe	My Farm	
<u>Item</u>	26 Renters	138 Owners	Per Cwt.
Purchased dairy grain & conc.	\$3.89	\$4.44	\$
Purchased dairy roughage	0.20	0.08	'
Total Purchased Dairy Feed	\$4.09	\$4.52	\$
Purchased grain & conc.	,	•	·
as % of milk receipts	25%	29%	Ą
Purchased feed & crop exp.	\$5.06	\$5.46	\$ <u></u>
Purchased feed & crop exp.	•	·	
as % of milk receipts	33%	35%	
Breeding	\$0.24	\$0.22	\$
Veterinary & medicine	0.33	0.31	
Milk marketing	1.01	0.84	
Cattle lease	0.02	0.01	
Other livestock expense	0.82	0.66	

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 in generating products per unit of labor input.

CAPITAL EFFICIENCY
Eastern New York Dairy Farm Renters and Owners, 1990

	Per	Per	Per Tillable
<u>Item</u>	Worker	Cow	Acre
26 Dairy Farm Renters:			
Farm capital	\$100,500	\$3,719	\$1,125
Machinery & equipment	36,270	1,342	406
Capital turnover, years	1.		
138 Dairy Farm Owners:			
Farm capital	\$220,707	\$7,253	\$2,332
Machinery & equipment	37,921	1,246	401
Capital turnover, years	2.	36	
My Farm:			
Farm capital	\$	\$	\$
Machinery & equipment			
Capital turnover, years			

LABOR FORCE ANALYSIS
Eastern New York Dairy Farm Renters and Owners, 1990

<u> 26 R</u>	<u>enters </u>	<u> 138 0</u>	wners	My_	Farm
	Per		Per		Per
Total	Worker	Total	Worker	<u>Total</u>	Worker
61	27	87	31		
976,568	434,080	1,463,299	514,797	 -	
201	. 89	269	95		
641	285	909	320		
26 R	enters_	nters 138 Owners		My Farm	
	Per		Per		Per
Total	Cow	Total	Cow	<u>Total</u>	<u>Cow</u>
\$19.27	5 \$317	\$20,063	\$232	\$	\$
	•		. 42	•	
•		•	247		
				\$	\$
	•	\$40,288	\$466	\$	\$
	•	\$85,408	\$987	\$	\$
	Total 61 976,568 201 641 26 R Total \$19,27 4,47 9,47 \$33,22 \$28,27	Total Worker 61 27 976,568 434,080 201 89 641 285 26 Renters Per Total Cow \$19,275 \$317 4,475 74 9,475 156 \$33,225 \$546	Per Total Worker Total 61 27 87 976,568 434,080 1,463,299 201 89 269 641 285 909 26 Renters Per Total Cow Total \$19,275 \$317 \$20,063 4,475 74 3,675 9,475 156 21,383 \$33,225 \$546 \$45,121 \$28,272 \$465 \$40,288	Per Total Per Worker Per Total Per Worker 61 27 87 31 976,568 434,080 1,463,299 514,797 201 89 269 95 641 285 909 320 26 Renters Per Per Total Per Total Per Cow 4,475 74 3,675 42 9,475 156 21,383 247 \$33,225 \$546 \$45,121 \$522 \$28,272 \$465 \$40,288 \$466	Per Total Per Total Per Total Total Worker Total Total 61 27 87 31 976,568 434,080 1,463,299 514,797 201 89 269 95 641 285 909 320 Per Per Total Total Cow Total \$19,275 \$317 \$20,063 \$232 \$ 4,475 74 3,675 42

^{*\$1,250} per month.

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 19 Eastern New York Dairy Farm Renters, 1989 and 1990

	Ave	cage		My Farm	
Selected Factors	1989		1989	1990	Goal
Size of Business					
<u>Size of Business</u> Average number of cows	63	64			
	46	48			
Average number of heifers					
Milk sold, lbs.	961,361 2.43				
Worker equivalent Total tillable acres					
iotal tillable acres	227	213			
Rates of Production					
Milk sold per cow, lbs.	15,285	15.708			
Hay DM per acre, tons	2.4				
Corn silage per acre, tons		14			
For action comb		₽ -7			
Labor Efficiency					
Cows per worker	26				
Milk sold per worker, lbs.	396,503	437,983			
Cost Control					
Grain & conc. purchased					
as % of milk sales	26%	26%	Q.	%	
Dairy feed & crop exp.	201	208		 -	
per cwt. milk	\$4.89	¢5 12	Ś	¢	¢
Labor & mach. costs/cow	\$861	\$1.12 \$1.012	<u>~</u>	\$	<u>~</u>
Lacir. Costs/Cow	\$001	Q1,U12	Y	٧	Ψ
Capital Efficiency*					•
Farm capital per cow	\$3,550	\$3,716	\$	\$	\$
Mach. & equip. per cow	\$1,241	\$1,368	\$	\$ \$	\$
Capital turnover, years	1.3	1.3		·	
Desfieshilien					
<u>Profitability</u> Net farm inc. w/o apprec.	\$30,251	¢3/, 077	¢	¢	¢
Net farm inc. w/apprec.	\$30,231	\$34,0// \$36_001	ě	\$ \$	<u>~</u>
Labor & mgmt. income	941,030	\$30,02I	٧	٧	٧
per operator/manager	¢14 044	617 706	ć	\$	ć
	\$10,040	ŞI/,/20	٧	٧	٧
Rate of return on eq.	0.20	. e.	^	•	
capital w/apprec.	9.3%	4.5%			
Rate of return on all	0 10	C 7^	^	•	
capital w/apprec.	9.1%	5.7%			
Financial Summary					
Farm net worth	\$162,752	\$164,788	\$	\$	\$
Debt to asset ratio	0.31	0.33		·	-
Farm debt per cow	\$1,158	\$1,290	¢	¢	\$

^{*}Average for the year.

Other Agricultural Economics Extension Publications

No. 91-12	Raising Dairy Replacements: Practices and Costs New York, 1990	Jason Karszes B.F. Stanton
No. 91-13	Dairy Farm Business Summary Central New York and Central Plain Regions 1990	Wayne A. Knoblauch Linda A. Putnam June C. Grabemeyer James A. Hilson Ann Peck James R. Peck
No. 91-14	Dairy Farm Business Summary Western Plateau Region 1990	George L. Casler Carl W. Albers Andrew N. Dufresne Joan S. Petzen Linda D. Putnam Stuart F. Smith
No. 91-15	Dairy Farm Business Summary Mohawk Region 1990	Eddy L. LaDue Mark E. Anibal Jacqueline M. Mierek
No. 91-16	Dairy Farm Business Summary Northern Hudson Region 1990	Stuart F. Smith Linda D. Putnam Cathy S. Wickswat John M. Thurgood Thomas J. Gallagher
No. 91-17	Dairy Farm Business Summary Southeastern New York 1990	Stuart F. Smith Linda D. Putnam Alan S. White Gerald J. Skoda Stephen E. Hadcock
No. 91-18	Supermarket Dairy Department: An Overview of Operations and Performance	Edward McLaughlin David Russo

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