

Average Enterprise Costs and Return

—from—

FARM COST ACCOUNTS

40 Farms - 1956

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September 1957

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AVERAGE ENTERPRISE COSTS AND RETURNS
FOR FARM COST ACCOUNTS, 1956

For the Cost Account year 1956, there were 40 New York State farmers who completed detailed records on their businesses in co-operation with the Department of Agricultural Economics, Cornell University.

The Cost Accounts were kept on an enterprise basis and provide information as to the quantities of seed, labor, fertilizer, etc., that are used. They also show the amount and relative importance of the items of cost which make up the total. Information on costs, returns, and profits for principal enterprises on the farms studied are shown in this report.

The project was under the supervision of C.D. Kearn. The field work on these accounts was done by Frank Osterhoudt and C.D. Kearn. The closing of the books and the preparation of this report on results of the operation of the farms was done by the Cost Account staff consisting of Marjorie Evans, Oneta Shipe, Edith Slights, Wanda Triplehorn, Edna Wheeler, Ruth Baker, and Christina Morrison.

THE ECONOMIC SITUATION IN 1956

Year	New York farm prices	Prices of articles farmers buy	Earnings of factory workers	Farm prices during 1956 were higher than in either of the two previous years but below 1952 and 1953 levels. Prices of articles farmers buy were up about the same amount as farm prices. Wages and farm machinery prices continued upward. Fertilizer costs were about the same as in recent years. Feed prices declined, following the pattern of the three previous years.
1935-39	109	125	210	
1952-56	242	283	628	
1952	281	287	584	
1953	243	279	613	
1954	227	281	616	
1955	226	281	648	
1956	231	286	680	
Jan.	221	281	664	
Feb.	220	280	667	
March	219	282	666	
April	221	284	670	
May	234	286	667	
June	239	286	671	
July	246	287	680	
August	232	288	684	
Sept.	233	287	689	
Oct.	228	287	696	
Nov.	234	289	700	
Dec.	238	290	708	
1957				
Jan.	243	292	697	
Feb.	240	294	701	
March	245	295	704	
April	246	296	693	

Source: Farm Economics, No. 208, February, 1957; and No. 210, July, 1957

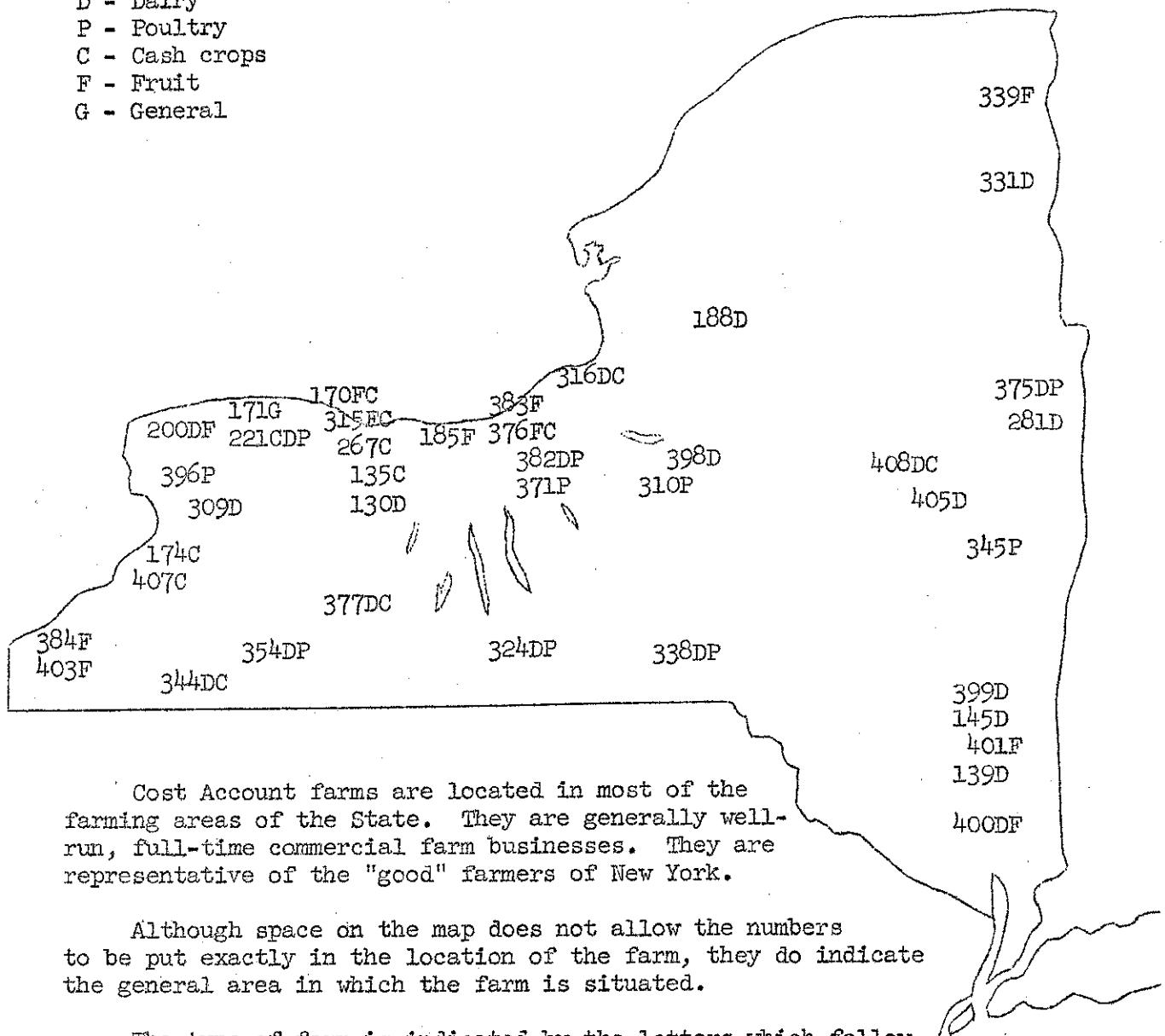
Under these conditions, great differences in farm profits can be made if farmers will put emphasis on efficiency (i.e., output relative to input) and on the selection of low-cost substitutes.

Earnings of factory workers continued to increase. The 1956 level was about 7 per cent above that of 1955 and 15 per cent above 1952. Industrial production in 1956 reached a record high. Home building was off somewhat and the number of motor cars produced was 25 per cent below 1955, but these declines were more than offset in other sectors of the economy.

LOCATION OF FARMS

Legend

- D - Dairy
- P - Poultry
- C - Cash crops
- F - Fruit
- G - General



The type of farm is indicated by the letters which follow the farm number. The combinations of letters indicate that there was more than one type of major enterprise on the farm. General type farms include those with a number of different types of enterprises, none of which is important enough to warrant classifying the farm by a type of enterprise.

YIELDS FOR CROPS AND LIVESTOCK

Item	Unit	New York State*			Cost Account
		1936-40	1946-55	1956	1956
Hay	tons	1.3	1.7	1.7	2.1
Corn silage	tons	8.9	9.7	9.8	10.0
Corn grain	bu.	34	44	53	57
Wheat	bu.	24	31	31	36
Oats	bu.	30	38	44	49
Barley	bu.	25	31	37	38
C.F. Tomatoes	tons	7.6	8.8	6.5	7.1
Cows	lbs.	5,628	6,588	7,280	10,329
Hens	eggs	154	188	202	214

* AMS Reports and unpublished tabulations

The weather was favorable for grain and forage crops but not for tomatoes. Yields, reflecting the weather conditions, were good for most New York crops. Cost Account farmers had somewhat higher yields of all crops than did New York State farmers in general. Livestock too produced higher on the Cost Account farms. Grain yields were four to five bushels better. Milk yields were about a third higher, and hens produced seven per cent more eggs.

WEATHER CONDITIONS AT FIVE NEW YORK STATIONS, 1956*

Station	Length of growing season**	May 1 - Sept. 30		Annual total	
		days	Temperature degrees	Precipi- tation inches	Precipi- tation inches
Albion	140		63.5	18.8	34.2
Ithaca	118		60.8	18.0	37.9
Canton	125		61.0	14.4	31.5
Poughkeepsie	138		66.9	18.5	36.3
Schenectady	156		64.5	14.6	34.0

* Weather Bureau, U.S. Department of Commerce, Annual Summary, 1956

** Number of days between last and first frost

Although the 1956 annual precipitation in many parts of the State was below normal, much of the rain that came fell during the growing season. Temperatures from May to September were generally below normal. This damp, cool weather was good for forage crops and grain. The growing season was one of the shortest in recent years. Cool damp weather and a short growing season seriously hampered tomato harvest. The fruit was there but just never ripened.

Summary, 1956
Crop Enterprises

Crop	Number of accounts	Average acres per enterprise	Average yield per acre	Returns per hour of labor	Hours of labor per acre	Profit on enterprise	Profit per acre
<u>Vegetables:</u>							
Tomatoes, C.F.	6	34.3	7.1 tons	\$0.50	86	\$ -2,777	\$ -81
Beans, C.F.	5	65.2	5,580 lbs.	1.38	135	2,855	44
<u>Fruit:</u>							
Apples	10	60.7	343 bu.	2.90	120	9,809	162
Sweet cherries	5	4.0	531 lbs.	-0.19	28	-204	-51
Sour cherries	6	16.4	2,126 lbs.	1.04	88	-448	-27
Peaches	8	6.4	154 bu.	1.35	158	-157	-25
Grapes	5	13.3	4.7 tons	2.69	141	2,339	175
<u>Grain:</u>							
Wheat	20	22.4	36 bu.	4.12	7	465	21
Corn for grain	16	34.0	57 bu.	0.64	9	-208	-6
Oats	17	19.7	49 bu.	-1.12	8	-376	-19
Barley	9	24.9	38 bu.	0.08	6	-181	-7
<u>Hay and Silage:</u>							
Hay	29	45.0	2.1 tons	1.33	7	58	1
Corn silage	17	21.3	10 tons	-0.17	14	-391	-18
Grass silage	12	24.1	7 tons	1.62	8	94	4

Livestock Enterprises

Enterprise	Number of accounts	Average number of head per farm	Production per head	Returns per hour of labor	Hours of labor per head	Profit on enterprise
Dairy cows	22	41	10,329 lbs.	\$ 1.46	91	\$ 1,352
Hens	13	3,400	214 eggs	0.63	0.9	-1,951
Raising chicks	17	2,135*	--	1.60	13**	101

* Number of chicks started

** Per 100

Farm enterprise	Summary of Returns per Hour of Labor									
	1914 to 1918	1919 to 1923	1924 to 1928	1929 to 1933	1934 to 1938	1939 to 1943	1944 to 1948	1949 to 1953	1955	1956
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>Livestock:</u>										
Dairy cows	0.30	0.25	0.40	0.14	0.25	0.55	1.49	1.41	1.36	1.46
Hens	0.28*	0.84	0.47	0.31	0.29	0.77	1.34	1.38	1.78	0.63
Raising chicks	--	--	--	0.46	0.33	0.48	0.48	0.83	2.02	1.60
<u>Fruit:</u>										
Apples	--	0.70*	0.79	0.45	0.45	0.85	1.60	2.01	1.41	2.90
Sweet cherries	--	--	--	--	--	--	--	--	2.25	-0.19
Sour cherries	--	--	--	--	--	--	--	--	0.70	1.04
Peaches	--	--	--	0.42*	0.54	0.56	1.57	1.11	1.09	1.35
Grapes	--	--	--	--	--	--	--	--	2.51	2.69
<u>Grain:</u>										
Corn	0.13	-0.01	-0.13	0.03	0.22	0.58	1.79	2.25	0.87	0.64
Oats	0.11	-0.31	0.03	-0.34	-0.02	0.14	0.76	0.37	-1.72	-1.12
Wheat	0.58	-0.03	0.20	-0.03	0.47	1.17	3.15	3.47	3.86	4.12
Barley	--	--	--	--	--	--	--	--	1.73	0.08
<u>Hay and Silage:</u>										
Hay other than alfalfa	0.73	0.66	0.08	-0.01	0.18	0.51	1.09	--	--	--
All hay	--	--	--	--	--	--	--	1.37	0.89	1.33
Corn silage	--	--	--	--	--	--	--	--	--	-0.17
Grass silage	--	--	--	--	--	--	--	--	--	1.62
<u>Vegetables:</u>										
Tomatoes, C.F.	--	--	--	0.24*	0.41	0.67	1.56	1.39	1.35	0.50
Beans, C.F.	--	--	--	--	--	--	--	--	--	1.38

* Less than five years

Labor Force on Cost Account Farms, 1956

Farms	Middle-sized farms			All farms
	Large farms	13	14	
Man equivalent				
Range	4.2 to 19.7	2.4 to 3.7	1.2 to 2.3	1.2 to 19.7
Average	10.1	3.1	1.7	4.9
Months of work performed by:				
Men hired by month or year:				
With privileges	17	8	0	8
With board	1	4	0	2
With wage only	14	5	1	7
Men hired by day or hour	68	5	2	24
Operator	12	12	12	12
Other unpaid	9	4	5	6
Total months	121	38	20	59

Real Estate on Cost Account Farms, 1956

40 farms

Average per farm:

Acres of cropland	123.8
Total acres	237.1
Value of land and buildings	\$42,772
Value of cropland per acre	\$74
Cropland cost per acre	\$7.18
Building cost in per cent of value	16.8

Cost of Labor, 1956

40 farms

	Dollars per month
Hired by month or year:	
Men with privileges:	
Wage	239
Value milk, wood, house, etc.	58
OASI tax and compensation insurance	15
Total	312
(High third, \$377; low third, \$267)	
Men boarding with farmer:	
Wage	151
OASI tax, etc.	9
Value of board	36
Total	196
(High third, \$253; low third, \$143)	
Men living off farm:	
Cash wage	225
OASI tax, etc.	23
Total	248
(High third, \$331; low third, \$134)	
Hired by day or hour:	
Average of \$1.10 per hour, or \$257 per month (high third, \$1.38 or \$323; low third, 73 cents or \$171).	
Farm operator:	
His estimate of what he could get as superintendent of a similar farm, \$308 per month in cash and \$70 in privileges, or \$378 (high third, \$487; low third, \$285).	
Members of family other than operator:	
Average value, \$342 (high third, \$441; low third, \$183).	
Average cost of all types of farm labor:	
Average of \$1.29 per hour or \$295 per month (high third, \$346; low third, \$237).	

Equipment, 1956

\$419,824 investment on 40 farms

Average per farm:	Dollars
Cash purchases and repairs	3,356
Fuel, oil, and grease	111
Other costs*	1,513
Total	4,980
Sales and net inventory increase	1,120
Net annual cost	3,860

	Per cent
Proportion of farm capital that is:	
Equipment	13
Equipment and power	20
Cost of equipment in per cent of investment	37
	Dollars
Equipment investment per acre	60
Equipment cost per acre	22

* Interest, insurance, use of buildings, farm labor, etc.

** Trucks, tractors, and farm share of auto

Tractors, 1956

	122 tractors on 39 farms			
	3-plow*	2-plow**	1-plow***	All****
	\$	\$	\$	\$
Average per tractor:				
Fuel	222.56	121.86	49.50	141.21
Oil, grease and greasing	22.67	13.69	4.33	13.98
Farm labor	34.39	18.78	24.17	24.18
Insurance	4.83	3.39	3.67	5.33
Depreciation	220.83	146.61	105.83	165.72
Repairs	165.22	80.83	19.33	91.00
Tires	49.28	24.92	15.17	19.21
Interest	88.56	45.36	25.00	56.52
Buildings	14.33	19.25	25.00	16.38
All other	14.50	7.31	0.67	7.30
Cost for the year	837.17	482.00	272.67	540.83
Hours of work per tractor	588	451	287	469
Cost per hour, dollars	1.42	1.07	0.95	1.15
Gallons of fuel per tractor	1,144	594	242	713

* eighteen tractors

** thirty-six tractors

*** six tractors

**** 122 tractors

Trucks, 1956

	75 trucks on 36 farms		
	Large	Small	All
	\$	\$	\$
Average per truck:			
Fuel	125.15	126.09	128.99
Oil, grease and greasing	14.22	17.91	13.45
Farm labor	29.85	18.91	22.91
License	54.82	23.27	43.99
Insurance	52.44	59.23	55.28
Depreciation	134.63	178.82	177.13
Repairs	122.74	67.27	92.31
Tires	43.96	15.55	34.68
Interest	33.19	39.64	39.48
Buildings	23.85	19.91	24.13
All other	5.63	1.04	2.40
Cost for the year	640.48	567.64	634.75
Distance driven per truck, miles	4,303*	6,328**	5,233***
Cost per mile, cents	17.0*	9.8**	13.0***
Gallons of fuel per truck	512	516	526

* Based on 20 trucks with known mileage

** Based on 17 trucks with known mileage

*** Based on 37 trucks with known mileage

Dairy Cows, 1956

907 cows on 22 farms

Average per cow:	Dollars
Costs:	
3,551 pounds of grain, at \$63.82 per ton	113.31
2.3 tons of hay, at \$23.26 per ton	53.50
6.2 tons of silage, at \$7.50 per ton	46.47
Other feed	0.11
Bedding	5.61
Pasture and fences	23.58
Total feed and bedding	242.58
91 hours of labor, at \$1.09 per hour	99.52
Depreciation	27.27
Automobile, truck, tractor	8.61
Dairy equipment	12.83
Interest on \$252 value of cow	12.66
Buildings	14.02
Breeding costs	6.23
Veterinarian, medicine, disinfectants	7.68
Hired milk-hauling	11.76
DHIA	4.08
Insurance	0.94
Registration and transfer fees	0.35
Light, water, power	6.40
Strainer cloths and other supplies	4.02
All other	10.39
Total other than feed, bedding, labor, and depreciation	99.97
Total cost	469.34
Returns:	
10,027 pounds of milk sold	453.92
302 pounds of milk used on farm	13.78
Calves	17.78
10.3 tons of manure	15.00
Other returns	1.65
Total returns	502.13
Gain	32.79
Cost of producing 100 pounds of milk	4.21
Value of 100 pounds of milk	4.53
Return per hour of labor	1.46

Heifers, 1956

297 mature-heifer equivalents on 22 farms*

Average per heifer raised to 27.5 months:	Dollars
Costs:	
Value of calf at birth	33.53
395 pounds of whole milk, at \$4.36 per hundredweight	17.22
1,702 pounds of grain, at \$3.46 per hundredweight	58.84
2.2 tons of hay, at \$21.30 per ton	46.87
2.1 tons of silage, at \$7.58 per ton	15.92
Other feed	2.85
Pasture and fences	26.64
Bedding	6.83
Total feed and bedding	175.17
40 hours of labor, at \$1.11 per hour	44.34
Equipment and power	7.93
Buildings	19.27
Breeding fees	5.83
Veterinarian and medicine	1.72
Insurance76
Registration and transfers	1.65
Lights and water	3.34
Interest	13.39
All other	2.77
Total other than calf, feed, bedding, and labor	56.66
Total cost	309.70
By-products:	
8.3 tons of manure	11.72
Other returns	0.19
Net cost of raising a heifer to 27.5 months of age	297.79

* There were a total of 987 heifers of all ages on these farms for a part or all of the year. They were fed a total of 8,163 heifer-months, which, divided by 27.5, equal 297 mature-heifer equivalents.

Cost of Keeping Dairy Bulls, 1956

17 bulls on 11 farms

	Dollars
Average per bull:	
Costs:	
1,521 pounds of grain, at \$67.99 per ton	51.71
2.5 tons of hay, at \$24.05 per ton	60.12
Other feed	4.26
Bedding	10.77
Total feed and bedding	126.86
67 hours of labor, at \$1.11 per hour	74.38
Depreciation	69.88
Interest on value of bull	23.73
Buildings	20.83
All other	13.31
Total other than feed and bedding, depreciation and labor	57.87
Total cost	328.99
Credits:	
7.6 tons of manure, at \$1.33 per ton	10.12
Services, 28.3 at \$11.27	318.87
Total credits	328.99

Hens, 1956

44,195 birds on 13 farms

Average per bird:	Dollars
Costs:	
28 pounds of grain, at \$3.32 per hundredweight	0.93
75 pounds of mash, at \$3.75 per hundredweight	2.81
Grit and shell	0.04
Total feed	3.78
0.9 hours of labor, at \$1.23 per hour	1.11
Depreciation	1.50
Interest	0.06
Power and equipment	0.25
Buildings	0.40
Litter	0.03
Electricity	0.07
All other	0.26
Total other than feed, labor, and depreciation	1.07
Total cost	7.46
Returns:	
214 eggs per hen	6.85
61 pounds of manure	0.04
Total returns	6.89
Net loss	0.57
Cost of producing a dozen eggs	0.42
Value per dozen eggs	0.39
Return per hour of labor	0.63
Labor return per bird	0.54

Raising Chicks, 1956

36,293 chicks started on 11 farms

Average per 100 chicks started:	Dollars
Costs:	
100 chicks started at 35 cents per chick	34.90
1,645 pounds of mash, at \$4.16 per hundredweight	68.36
534 pounds of grain, at \$3.22 per hundredweight	17.20
Other feed	0.06
Total feed	85.62
13 hours of labor, at \$1.20 per hour	15.66
Auto, truck, tractor	2.95
Poultry equipment	7.81
Litter	0.66
Interest	3.13
Fuel and electricity	5.97
Medicine and disinfectants	1.31
Range and fences	0.17
Buildings	8.41
All other	1.64
Cost other than chicks, feed, and labor	32.05
Total cost	168.23
Returns:	
12.9 meat birds sold or eaten, at \$1.29 per bird	16.60
77.2 pullets for laying flock, at \$2.00 per bird	154.36
9.9 birds died	
Total value of birds	170.96
716 pounds of manure	0.45
Eggs laid on range	1.56
Returns other than birds	2.01
Total returns	172.97
Gain	4.74
Cost of raising a bird to maturity	1.94
Value of mature bird	2.00
Return per hour of labor	1.60
Labor return per 100 chicks started	20.40

Canning Factory Beans, 1956

326 acres on 5 farms

	Dollars
Average per acre:	
Growing:	
Land	10.18
0.6 tons of manure, at \$4.03 per ton	2.42
605 pounds of fertilizer, at \$55.67 per ton	16.84
Spray and dust	2.45
1.3 bushels of seed, at \$15.25 per bushel	19.83
7.9 hours of labor, at \$1.49 per hour	11.76
5.8 hours of tractor work, at 96 cents per hour	5.59
Other equipment (including auto and truck)	12.12
Interest	0.74
Cover crop	4.48
All other	2.84
Total growing	89.25
Harvesting:	
127.1 hours of labor	130.80
Tractor, truck, and auto	3.53
Other equipment	9.70
Custom picking	27.53
All other	2.05
Total harvesting	173.61
Storing and selling	1.81
Total cost per acre	264.67
Returns:	
2.8 tons of canning factory beans	308.45
Net gain per acre	43.78
Cost to grow a ton	31.98
Cost to harvest a ton	62.22
Cost to store and sell a ton	0.65
Total cost per ton	94.85
Returns per ton	110.54
Gain per ton	15.69
Labor returns per acre	186.34
Returns per hour of labor	1.38

Canning Factory Tomatoes, 1956

206 acres on 6 farms

Average per acre:	Dollars
Growing:	
Land	9.34
0.6 tons of manure, at \$4.97 per ton	2.98
1,454 pounds of fertilizer, at \$50.25 per ton	36.53
Spray and dust	17.01
Hired spraying	3.09
2,997 plants, at \$10.18 per thousand	30.51
30.6 hours of labor, at \$1.50 per hour	45.84
8.6 hours of tractor work, at \$1.13 per hour	9.72
Other equipment (including auto and truck)	30.73
Interest	1.73
Cover crop	2.04
All other	5.82
Total growing	195.34
Harvesting:	
55.0 hours of labor	77.70
Tractor, truck, and auto	13.95
Other equipment	0.45
All other	11.82
Total harvesting	103.92
Storing and selling	6.57
Total cost per acre	305.83
Returns:	
7.1 tons of tomatoes	224.91
Net loss per acre	80.92
Cost to grow a ton	27.69
Cost to harvest a ton	14.73
Cost to store and sell a ton	0.93
Total cost per ton	43.35
Returns per ton	31.88
Loss per ton	11.47
Labor returns per acre	42.62
Returns per hour of labor	0.50

Apples, 1956

607 acres on 10 farms

Average per acre:	Dollars
Growing:	
Orchard overhead	30.04
0.1 tons of manure, at \$3.10 per ton	0.31
185 pounds of nitrogenous fertilizer, at \$82.05 per ton ..	7.59
Other fertilizer	0.71
Spray and dust materials	51.58
37.4 hours of labor, at \$1.61 per hour	60.05
10.4 hours of tractor work, at \$1.20 per hour	12.43
Other equipment (including auto and truck)	29.55
Interest	4.09
All other	13.98
Total growing	210.33
Harvesting:	
73.5 hours of labor	112.82
2.4 hours of tractor work	3.20
Auto and truck	7.45
Other equipment	5.23
All other	5.87
Total harvesting	134.57
Storing and selling:	
Packages	53.57
Commissions, hired packing, storage, transportation	58.55
Labor	12.09
Equipment (including auto and truck)	8.30
Buildings	3.81
All other	19.61
Total storing and selling	155.93
Total cost per acre	500.83
Returns:	
343 bushels of packable fruit	647.80
Ciders and drops	14.15
Other	0.50
Total returns per acre	662.45
Net gain per acre	161.62
Cost to grow a bushel	0.61
Cost to harvest a bushel	0.39
Cost to store and sell a bushel	0.46
Total cost per bushel	1.46
Net cost per bushel*	1.09
Total returns per bushel	1.93
Net returns per bushel*	1.56
Gain per bushel	0.47
Labor returns per acre	346.58
Returns per hour of labor	2.90

* Net cost is the cost per bushel minus the cost of packages, commissions, hired packing, storage, and transportation; net returns are the total returns minus these same items.

Sweet Cherries, 1956

20 acres on 5 farms

Average per acre:	Dollars
Growing:	
Orchard overhead	14.90
176 pounds of fertilizer, at \$77.84 per ton	6.85
Spray and dust materials	16.75
6.0 hours of labor, at \$1.48 per hour	8.85
3.4 hours of tractor work, at \$1.16 per hour	3.95
Other equipment (including auto and truck)	16.75
Interest	1.20
All other	10.90
Total growing	80.15
Harvesting:	
22 hours of labor	36.95
Auto, truck, and tractor	3.65
Other equipment	4.90
All other	1.05
Total harvesting	46.55
Storing and selling	0.45
Total cost per acre	127.15
Returns:	
531 pounds of cherries	76.15
Net loss per acre	51.00
Cost per pound to grow	Cents 15.1
Cost per pound to harvest	8.8
Cost per pound to store and sell	0.0
Total cost per pound	23.9
Total returns per pound	14.3
Loss per pound	9.6
Labor returns per acre	Dollars -5.20
Returns per hour of labor	-0.19

Sour Cherries, 1956

98 acres on 6 farms

Average per acre:	Dollars
Growing:	
Orchard overhead	20.13
208 pounds of fertilizer, at \$75.67 per ton	7.87
Spray and dust materials	14.61
12.4 hours of labor, at \$1.49 per hour	18.52
4.8 hours of tractor work, at \$1.29 per hour	6.17
Other equipment (including auto and truck)	9.31
Interest	1.38
All other	9.71
Total growing	87.70
Harvesting:	
76 hours of labor	100.52
Auto, truck, and tractor	5.02
Other equipment	3.04
All other	1.53
Total harvesting	110.11
Storing and selling	5.16
Total cost per acre	202.97
Returns:	
2,126 pounds of cherries	175.57
Net loss per acre	27.40
Cost per pound to grow	Cents 4.1
Cost per pound to harvest	5.2
Cost per pound to store and sell	0.2
Total cost per pound	9.5
Total returns per pound	8.2
Loss per pound	1.3
Labor returns per acre	Dollars 91.64
Returns per hour of labor	1.04

Peaches, 1956

51 acres on 8 farms

Average per acre:	Dollars
Growing:	
Orchard overhead	23.80
1.2 tons of manure, at \$6.12 per ton	7.34
140 pounds of fertilizer, at \$78.28 per ton	5.48
Spray and dust materials	27.69
59.6 hours of labor, at \$1.49 per hour	88.73
12.0 hours of tractor work, at \$1.14 per hour	13.62
Other equipment (including auto and truck)	35.67
Interest	4.27
All other	15.87
Total growing	222.47
Harvesting:	
76.6 hours of labor	118.12
Auto, truck, and tractor	10.86
Other equipment	7.93
All other	6.87
Total harvesting	143.78
Storing and selling:	
Packages	26.05
Hired storage	0.84
Labor	31.08
Equipment (including auto and truck)	0.31
All other	10.23
Total storing and selling.....	68.51
Total cost per acre	434.76
Returns:	
154 bushels of peaches	410.24
Net loss per acre	24.52
Cost to grow a bushel	1.45
Cost to harvest a bushel	0.93
Cost to store and sell a bushel	0.45
Total cost per bushel	2.83
Net cost per bushel*	2.65
Total returns per bushel	2.67
Net returns per bushel*	2.49
Loss per bushel	0.16
Labor returns per acre	213.41
Returns per hour of labor	1.35

* Net cost is the total cost per bushel minus the cost of packages, commissions, hired packing, storage, and transportation; net returns are the total returns minus these same items.

Grapes, 1956

67 acres on 5 farms

Average per acre:	Dollars
Growing:	
Vineyard overhead	35.07
199 pounds of nitrogenous fertilizer, at \$80.80 per ton	8.04
4 pounds of other fertilizer, at \$65.00 per ton	0.13
Spray and dust materials	17.00
72.6 hours of labor, at \$1.46 per hour	105.85
15.4 hours of tractor work, at 95 cents per hour	14.68
Other equipment (including auto and truck)	28.90
Interest	4.65
All other	29.73
Total growing	244.05
Harvesting:	
68.9 hours of labor	99.28
Auto, truck, and tractor	12.43
Other equipment	2.13
All other	8.95
Total harvesting	122.79
Storing and selling	10.25
Total cost per acre	377.09
Returns:	
4.7 tons of grapes	552.44
Net gain per acre	175.35
Cost to grow a ton	52.37
Cost to harvest a ton	26.35
Cost to store and sell a ton	2.20
Total cost per ton	80.92
Net cost per ton*	79.61
Total returns per ton	118.55
Net returns per ton*	117.24
Gain per ton	37.63
Labor returns per acre	380.48
Returns per hour of labor	2.69

* Net cost is the total cost per ton minus the cost of packages, commissions, hired packing, storage, and transportation; net returns are the total returns minus these same items.

Pasture, 1956

1,549 acres of regular pasture on 22 farms with Dairy Cow Accounts

	Average cost		
	Per farm dollars	Per acre dollars	Per cow equivalent dollars
Cost of regular pasture*:			
Labor	38	0.54	
Tractor	28	0.41	
Auto and truck	1	0.02	
Other equipment	28	0.39	
Manure	276	3.92	
Lime	31	0.43	
Fertilizer	41	0.58	
Seed and seeding	74	1.05	
Interest	115	1.63	
Taxes	51	0.73	
Fences	212	3.01	
Other	<u>23</u>	<u>0.33</u>	
Total cost of regular pasture	918	13.04	
Credits for hay cut, etc.	<u>28</u>		
Net cost of regular pasture	890		15.46
Aftermath pasture	249		4.32
Annual crops pasture	134		2.32
Hired pasture	<u>70</u>		<u>1.21</u>
Total pasture cost	1,343		23.31

* Includes permanent and rotated pasture

Hay, 1956

1,306 acres on 29 farms

Average per acre:	Dollars
Growing:	
Land	6.42
2.3 tons of manure, at \$3.29 per ton	7.57
62 pounds of fertilizer, at \$64.19 per ton	1.99
Share of seeding cost	3.15
Interest	0.33
All other	0.63
Total growing	20.09
Harvesting:	
6.6 hours of labor, at \$1.15 per hour	7.57
3.6 hours of tractor work, at \$1.20 per hour	4.32
Equipment (including auto and truck)	8.48
Hired baling	1.45
All other	1.65
Total harvesting	23.47
Storing and selling	7.36
Total cost per acre	50.92
Returns:	
2.1 tons of hay	47.72
Value of aftermath pasture	3.11
Value of all other returns	1.37
Total returns per acre	52.20
Net gain per acre	1.28
Cost to grow a ton	9.55
Cost to harvest a ton	11.17
Cost to store and sell a ton	3.50
Total cost per ton	24.22
Net cost per ton (value of pasture, etc., deducted)	22.09
Value per ton	22.70
Net gain per ton	0.61
Labor returns per acre	8.97
Returns per hour of labor	1.33

Grass Silage, 1956

289 acres on 12 farms

Average per acre:	Dollars
Growing:	
Land	6.55
3.9 tons of manure, at \$3.23 per ton	12.60
Seeding	4.95
Interest	0.52
All other	4.91
Total growing	29.53
Harvesting:	
7.3 hours of labor, at \$1.12 per hour	8.21
4.7 hours of tractor labor, at \$1.18 per hour	5.55
Other equipment (including auto and truck)	11.29
Hired silo filling	0.59
All other	0.09
Total harvesting	25.73
Storing costs	5.08
Total cost per acre	60.34
Returns:	
7.3 tons of silage	54.40
Aftermath	4.41
Hay	5.42
Total returns	64.23
Net gain per acre	3.89
Cost to grow a ton	4.07
Cost to harvest a ton	3.55
Cost to store a ton	0.70
Total cost per ton	8.32
Net cost per ton (aftermath and hay deducted)	6.96
Value per ton	7.50
Net gain per ton	0.54

Corn Silage, 1956

362 acres on 17 farms

	Dollars
Average per acre:	
Growing:	
Land	6.18
5.6 tons of manure, at \$3.34 per ton	18.71
374 pounds of fertilizer, at \$63.96 per ton	11.96
8.3 quarts of seed, at \$9.99 per bushel	2.59
5.5 hours of labor, at \$1.11 per hour	6.13
4.9 hours of tractor work, at \$1.25 per hour	6.11
Other equipment (including auto and truck)	6.81
Interest	0.29
All other	1.62
Total growing	60.40
Harvesting:	
8.8 hours of labor	9.82
4.5 hours of tractor work	5.61
Other equipment (including auto and truck)	12.13
Hired silo filling	1.58
All other	0.80
Total harvesting	29.94
Storing costs	7.51
Total cost per acre	97.85
Returns:	
10.0 tons of silage	78.56
0.4 bushels of shelled corn	0.70
All other	0.20
Total returns per acre	79.46
Net loss per acre	18.39
Cost to grow a ton	6.05
Cost to harvest a ton	3.00
Cost to store a ton	0.75
Total cost per ton	9.80
Net cost per ton	9.71
Return per ton	7.87
Loss per ton	1.84
Labor returns per acre	-2.44
Returns per hour of labor	-0.17

Corn for Grain, 1956

544 acres on 16 farms

	Dollars
Average per acre:	
Growing:	
Land	8.40
2.0 tons of manure, at \$3.40 per ton	6.80
436 pounds of fertilizer, at \$66.10 per ton	14.41
7.0 quarts of seed, at \$11.66 per bushel	2.55
5.7 hours of labor, at \$1.29 per hour	7.35
4.5 hours of tractor work, at \$1.24 per hour	5.57
Other equipment (including auto and truck)	5.76
Interest	0.38
All other	3.05
Total growing	54.27
Harvesting:	
3.8 hours of labor	4.79
2.1 hours of tractor work	2.54
Other equipment (including auto and truck)	10.87
Hired harvesting	1.49
All other	0.25
Total harvesting	19.94
Storing and selling	5.55
Total cost per acre	79.76
Returns:	
57 bushels of shelled corn	73.46
Value of stalks	0.19
Total returns per acre	73.65
Net loss per acre	6.11
Cost to grow a bushel	0.95
Cost to harvest a bushel	0.35
Cost to store and sell a bushel	0.10
Total cost per bushel	1.40
Value per bushel	1.29
Loss per bushel	0.11
Labor returns per acre	6.09
Returns per hour of labor	0.64

Oats, 1956

335 acres on 17 farms

Average per acre:	Dollars
Growing:	
Land	6.45
2.5 tons of manure, at \$3.46 per ton	8.64
348 pounds of fertilizer, at \$59.08 per ton	10.28
1.8 bushels of seed, at \$2.38 per bushel	4.29
4.2 hours of labor, at \$1.20 per hour	5.05
3.6 hours of tractor work, at \$1.24 per hour	4.48
Other equipment (including auto and truck)	5.40
Interest	0.38
All other	2.18
Total growing	47.15
Harvesting:	
3.9 hours of labor	4.60
1.6 hours of tractor work	2.10
Other equipment (including auto and truck)	7.90
Hired combining	2.24
All other	0.54
Total harvesting	17.38
Storing and selling	6.13
Total cost per acre	70.66
Returns:	
49 bushels of oats	43.48
0.5 tons of oat straw	7.63
Other returns	0.48
Total returns per acre	51.59
Net loss per acre	19.07
Cost to grow a bushel	0.97
Cost to harvest a bushel	0.36
Cost to store and sell a bushel	0.12
Total cost per bushel	1.45
Net cost per bushel	1.28
Value per bushel	0.89
Loss per bushel	0.39
Labor returns per acre	-9.23
Returns per hour of labor	-1.12

Wheat, 1956

448 acres on 20 farms

Average per acre:	Dollars
Growing:	
Land	7.33
1.1 tons of manure, at \$3.61 per ton	3.97
350 pounds of fertilizer, at \$58.57 per ton	10.25
2.0 bushels of seed, at \$2.49 per bushel	4.98
3.4 hours of labor, at \$1.17 per hour	3.99
3.0 hours of tractor work, at \$1.02 per hour	3.07
Other equipment (including auto and truck)	3.62
Interest	1.19
All other	2.25
Total growing	40.65
Harvesting:	
3.6 hours of labor	4.60
1.6 hours of tractor work	2.15
Hired combining	1.28
Other equipment (including auto and truck)	5.75
All other	1.41
Total harvesting	15.19
Storing and selling	5.63
Total cost per acre	61.47
Returns:	
36 bushels of wheat	72.61
0.6 tons of straw	9.59
Total returns per acre	82.20
Net gain per acre	20.73
Cost to grow a bushel	1.14
Cost to harvest a bushel	0.43
Cost to store and sell a bushel	0.16
Total cost per bushel	1.73
Net cost per bushel	1.46
Value per bushel	2.04
Gain per bushel	0.58
Labor returns per acre	29.38
Labor returns per hour	4.12

Winter Barley, 1956

224 acres on 9 farms

	Dollars
Average per acre:	
Growing:	
Land	7.55
0.5 tons of manure, at \$3.14 per ton	1.57
407 pounds of fertilizer, at \$54.74 per ton	11.14
1.9 bushels of seed, at \$1.64 per bushel	3.12
2.9 hours of labor, at \$1.24 per hour	3.59
2.4 hours of tractor work, at \$1.40 per hour	3.37
Other equipment (including auto and truck)	3.07
Interest	1.13
All other	2.13
Total growing	36.67
Harvesting:	
3.0 hours of labor	4.13
1.2 hours of tractor work	1.80
Other equipment (including auto and truck)	6.39
Hired combining	1.59
All other	0.97
Total harvesting	14.88
Storing and selling	3.56
Total cost per acre	55.11
Returns:	
38 bushels of barley	44.18
0.3 tons of straw	3.67
Total returns	47.85
Net loss per acre	7.26
Cost to grow a bushel	0.95
Cost to harvest a bushel	0.39
Cost to store and sell a bushel	0.09
Total cost per bushel	1.43
Net cost per bushel (value straw deducted)	1.34
Value per bushel	1.15
Net loss per bushel	0.19
Labor returns per acre	0.49
Returns per hour of labor	0.08