

Individual Factors and
Annual Averages
— from —
FARM COST ACCOUNTS
47 Farms -- 1948

Department of Agricultural Economics
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FOREWORD

Each farm enterprise is tabulated separately in this report. The enterprises are arranged according to size; for example, the farm with the largest number of cows is shown first on page 10, and the farm with the largest number of hens is first on page 13.

Enterprises with 12 or more farms have been divided into three equal groups according to the size of the enterprises: large, medium sized, and small. Averages for these groups, as well as averages for all farms, are shown below the figures for the individual farms.

ACKNOWLEDGEMENTS

Forty-seven New York State farmers kept detailed farm cost accounts in co-operation with the Department of Agricultural Economics, Cornell University, during 1948.

The field work on these accounts was performed by David Nolan and Harold Vroman.

The closing of the books and the preparation of this report on results of the operation of the farms was done by the cost accounts staff consisting of: Helen Smith, Marjorie Evans, Evalyn Skirpan, Onolee Conklin, and Virginia Williams. Additional assistance was received from Oneta Shipe, Ruth Weaver, Grace Bush, and Malfisa Paolangelii.

The project was under the supervision of A. J. Ashe and C. DelMar Kearl.

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Summary of Returns per Hour of Labor									
Farm Enterprises	1914	1919	1924	1929	1934	1939	1944	1947	1948
	to	to	to	to	to	to	to		
	1918	1923	1928	1933	1938	1943	1948		
	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>Livestock:</u>									
Dairy cows	0.30	0.25	0.40	0.14	0.25	0.55	1.49	1.66	1.83
Hens	0.28*	0.84	0.47	0.31	0.29	0.77	1.34	1.52	1.75
Raising chicks	-	-	-	0.46	0.33	0.48	0.44	0.36	0.10
Incubation	-	-	-	-	1.91	2.96	5.91	4.14	6.68
<u>Fruit:</u>									
Apples	-	0.79	0.79	0.45	0.45	0.85	1.60	1.55	1.60
Cherries	-	-	-	-	0.64	0.88	2.32	1.82	2.25
Peaches	-	-	-	-	0.54	0.56	1.57	1.04	1.39
Pears	-	-	-	-	0.36	1.24	0.98	1.40	0.57
<u>Grain:</u>									
Barley	0.03	-0.28	0.07	-0.34	0.07	-0.03	1.15	0.84	-1.33
Corn	0.13	-0.01	-0.13	0.03	0.22	0.58	1.79	2.63	1.56
Oats	0.11	-0.31	0.03	-0.34	-0.02	0.14	0.76	1.46	0.18
Mixed spring grains	-	-	-	-0.30	-0.03	0.36	0.90	0.49	0.34
Wheat	0.58	-0.03	0.20	-0.03	0.47	1.17	3.15	4.35	2.56
Rye	-	-	-	-	-	-	-	1.74	1.24
<u>Hay:</u>									
Alfalfa	0.82	0.94	0.78	0.31	0.53	1.04	1.50	1.12	1.03
All other hay	0.73	0.66	0.08	-0.01	0.18	0.51	1.09	1.05	1.07
<u>Vegetables:</u>									
Beans, dry	0.12	0.23	-0.06	0.05	0.30	0.59	1.51	1.72	1.18
Cabbage	0.46	0.45	0.49	0.34	0.48	1.08	1.15	3.07	0.81
Corn, sweet	-	-	-	-	0.42	0.49/	1.73	0.45/	3.28
Peas, canning-factory	-	-	-	0.21	0.16	0.92	2.95	3.43	1.39
Potatoes	0.49	0.51	0.89	0.52	0.50	1.08	2.11	2.18	2.78
Tomatoes, C.F.	-	-	-	0.24*	0.41	0.67	1.56	1.27	1.20

* Less than five years.

/ Canning-factory sweet corn only.

Summary, 1948
Crop Enterprises

Crop	Number of accounts	Average acres per farm	Average yield per acre	Returns per hour of labor	Hours of labor per acre	Profit on enterprise	Profit per acre
<u>Cash crops</u>							
Potatoes	10	29.5	326 bu.	\$2.78	93	\$4,744	\$161
Cabbage	7	12.5	11.4 tons	0.81	81	-83	-7
Tomatoes, C.F.	6	23.6	8.0 tons	1.20	108	517	22
Peas, C.F.	6	11.1	2165 lbs	1.39	15	63	6
Beans, dry	7	18.5	18 bu.	1.18	20	141	8
Corn, C.F.	3	15.8	3.1 tons	3.28	18	650	41
<u>Fruit</u>							
Apples	17	48.7	213 bu.	1.60	109	3,141	65
Sour cherries	4	11.3	3524 lbs	2.25	137	2,005	177
Peaches	8	7.2	146 bu.	1.39	157	510	71
Pears	5	6.2	32 bu.	0.57	46	-95	-15
<u>Grain</u>							
Wheat	28	24.9	28 bu.	2.56	9	383	15
Corn for Grain	18	15.3	40 bu.	1.56	12	134	9
Mixed spring grain	3	13.3	22 bu.	0.34	8	-45	-3
Oats	24	16.6	41 bu.	0.18	10	-97	-6
Barley	6	8.7	17 bu.	-1.33	7	-152	-18
Rye	5	7.6	20 bu.	1.24	9	19	3
<u>Hay</u>							
Alfalfa	11	20.5	2.3 tons	1.03	10	41	2
Other hay	31	37.5	2.1 tons	1.07	7	72	2

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	25	26	9209 lbs.	1.83	117	3,252
Hens	23	1,090	188 eggs	1.75	1.4	1,395
Raising chicks	24	1,957*	--	0.10	25**	-349
Incubation	3	***	***	6.68	1.2**	2,594

* Number of chicks started.

** Per 100.

*** The average number of eggs set per farm was 53,050 and the per cent hatch 72.

Factors from 46 LABOR Accounts, 1948
(Arranged by man equivalent)

Farm number	No. of men	Total hours per farm	Hours per man	Farm operator		Average cost per month for regular hired men			Cost per hour for help	Average cost per hour for all labor	Average cost per man
				Wage per mo. \$	Privi- leges per mo. \$	Wage and privi- leges \$	Wage and board \$	Wage only \$			
174	11.0	28,716	2,611	250	53	235	-	347	0.73	1.00	2,623
192	10.7	34,128	3,190	367	26	351	-	-	0.88	0.89	2,847
339	10.6	21,464	2,025	204	29	-	-	-	0.94	1.33	2,692
170	10.3	27,000	2,621	212	35	234	-	205	0.89	1.00	2,615
315	8.5	20,296	2,388	150	44	187	-	-	0.90	0.97	2,317
316	7.7	25,369	3,295	200	88	243	177	203	0.65	0.86	2,835
366	6.1	12,481	2,046	299	25	-	-	127	0.94	1.13	2,304
378	5.8	16,242	2,800	208	38	183	-	176	0.76	0.81	2,278
383	5.5	14,223	2,586	225	34	137	-	123	1.10	1.04	2,685
267	5.5	10,813	1,966	125	33	191	-	-	1.23	1.30	2,551
185	4.6	12,692	2,759	187	55	181	-	-	0.76	0.87	2,395
359	4.5	14,420	3,204	101	53	213	-	-	0.84	0.75	2,388
368	4.5	10,428	2,317	167	34	140	-	-	0.77	0.85	1,976
149	4.4	13,831	3,143	150	40	132	-	-	0.66	0.59	1,839
345	4.4	12,908	2,934	186	124	176	-	-	0.77	0.92	2,700
376	4.4	9,967	2,265	167	40	204	-	-	0.69	1.04	2,366
324	4.2	10,094	2,403	125	86	163	-	-	0.60	0.81	1,954
186	4.2	10,082	2,400	167	35	278	-	-	0.94	1.13	2,702
331	3.8	9,430	2,482	150	64	-	-	-	0.61	0.93	2,318
188	3.7	14,247	3,851	200	41	229	-	-	0.88	0.70	2,714
344	3.7	10,693	2,890	167	64	207	-	136	1.16	0.90	2,597
165	3.6	11,775	3,271	200	77	176	-	-	1.00	0.79	2,575
375	3.6	10,176	2,827	200	65	239	-	-	0.66	1.01	2,843
377	3.2	8,864	2,770	150	80	148	-	-	0.62	0.75	2,069
200	3.0	9,552	3,184	167	58	194	-	-	0.72	0.75	2,373
340	2.9	7,323	2,525	200	44	-	-	143	1.00	1.05	2,643
146	2.4	4,059	1,691	200	50	168	-	117	0.75	1.36	2,307
288	2.8	11,888	4,246	150	82	204	89	92	0.86	0.53	2,270
130	2.8	10,062	3,594	144	79	110	-	-	0.91	0.68	2,445
380	2.8	7,555	2,698	167	98	-	121	-	0.54	0.78	2,112
382	2.6	7,334	2,821	200	82	122	-	-	0.45	0.76	2,139
310	2.6	6,597	2,537	150	111	-	89	158	0.86	0.90	2,296
371	2.6	6,237	2,399	150	85	-	-	148	0.62	0.86	2,068
171	2.5	6,191	2,476	133	40	-	-	-	0.41	0.66	1,634
211	2.4	6,517	2,715	150	59	167	-	-	0.69	0.84	2,274
354	2.1	6,409	3,052	100	89	-	133	-	-	0.63	1,928
281	2.0	7,816	3,908	167	57	-	-	-	-	0.69	2,684
370	2.0	6,057	3,028	200	30	-	160	-	-	0.77	2,336
145	2.0	3,965	1,982	150	98	-	-	178	0.76	1.24	2,453
139	1.9	8,169	4,299	125	105	-	-	-	1.29	0.44	1,213

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Factors from 46 LABOR Accounts, 1948

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Farm number	No. of men	Total hours per farm hours	Hours per man hours	Wage per mo. \$	Farm operator Privi- leges per mo. \$	Average cost per month for regular hired men			Cost per hour for help \$	Average cost per hour for all labor \$	Average cost per man \$
						Wage and privi- leges \$	Wage and board \$	Wage only \$			
166	1.9	4,530	2,384	175	36	-	-	-	0.93	1.03	2,448
309	1.5	4,303	2,869	150	66	-	-	-	0.55	0.77	2,205
373	1.4	3,823	2,731	250	48	-	-	191	1.06	1.20	3,278
202	1.4	3,051	2,179	67	52	-	-	-	0.81	0.67	1,469
135	1.4	2,883	2,059	100	90	-	103	-	-	0.92	1,900
338	1.2	4,040	3,367	100	51	-	-	-	0.64	0.53	1,782

Averages for 1948, by thirds according to number of men, weighted by farms:

High	6.8	17,811	2,634	200	47	201	177	197	0.84	0.96	2,463
Medium	3.3	9,542	2,910	172	67	186	105	122	0.78	0.86	2,404
Low	1.9	5,372	2,799	144	68	167	121	169	0.78	0.81	2,178

Annual averages, all farms, weighted by number of men:

1948	4.1	11,059	2,725	173	60	200	132	177	0.85	0.90	2,440
1947	4.1	11,248	2,738	168	59	182	129	157	0.84	0.85	2,333
1946	4.0	11,078	2,779	152	57	160	123	137	0.84	0.78	2,171
1945	3.4	9,665	2,801	140	52	161	111	100	0.59	0.67	1,887
1944	3.6	10,369	2,914	136	53	142	110	103	0.61	0.63	1,836

Factors from 16 HORSE Accounts, 1948
(Arranged by hours worked per horse)

Farm number	Horses per farm	Hours worked	Average per horse			Cost of feed and bedding	Cost per hour
			Value	Grain	Hay		
	<u>horses</u>	<u>hours</u>	<u>\$</u>	<u>pounds</u>	<u>tons</u>	<u>\$</u>	<u>\$</u>
137	2.0	1,354	138	750	2.5	121	14
281	2.0	714	110	1,482	4.0	140	36
377	3.7	428	88	1,862	3.2	108	46
315	2.0	427	65	00	2.8	76	37
149	6.2	423	114	394	5.4	105	36
174	3.2	374	93	1,525	3.1	91	85
370	3.0	370	150	500	0.7	46	50
200	2.0	318	150	64	3.0	70	49
344	3.0	290	71	896	5.0	114	100
170	4.0	290	106	00	1.2	53	40
338	2.0	264	125	600	3.0	104	54
307	2.0	257	104	00	3.0	62	57
185	3.8	257	179	368	2.1	120	105
324	2.0	246	71	1,000	2.0	99	64
202	2.2	182	68	232	2.7	56	66
130	2.0	156	100	00	3.0	54	84

Averages for 1948, by thirds according to hours worked per horse,
weighted by farms:

High	3.2	669	103	898	3.6	110	34
Medium	2.9	318	116	598	2.7	80	63
Low	2.4	220	104	320	2.6	78	75

Annual averages, all farms, weighted by number of horses:

1948	2.8	386	110	623	3.1	90	49
1947	2.9	407	118	887	2.7	85	45
1946	2.7	447	129	951	3.0	85	41
1945	2.8	463	122	1,107	3.0	91	38
1944	2.7	440	126	1,178	3.2	97	44

Factors from 57 TRACTOR Accounts, 1948
(Arranged by hours of use)

Farm number	Size of each tractor*	Average value	Annual cost per tractor				Gallons of fuel per hour	Hours of use per tractor	Average cost per hour of use
			Depre- ciation and cash repairs	Fuel and oil	All other	Total cost			
		\$	\$	\$	\$	\$	gallons	hours	\$
359	2	500	56	248	106	410	1.3	989	0.41
316	3	262	191	318	121	630	1.4	988	0.64
211	3,3	1000	165	436	99	700	2.6	931	0.75
359	3	500	247	242	71	560	1.2	928	0.60
371	2	650	301	191	104	596	1.3	862	0.69
166	3	825	236	276	93	605	1.8	848	0.71
345	2	330	175	160	43	378	1.1	843	0.45
146	1,3	888	104	109	92	305	1.3	842	0.72
383	2	1054	124	122	132	378	0.7	813	0.46
378	3	400	230	201	135	566	1.6	807	0.70
316	3	650	209	342	176	727	2.0	806	0.90
288	1,3	372	78	132	36	246	0.9	801	0.31
200	2	400	255	200	77	532	1.3	795	0.67
165	3,3	818	155	185	112	452	1.3	788	0.57
171	2,3	750	23	171	74	268	1.1	781	0.34
135	2	450	124	270	90	484	1.9	771	0.63
316	3	625	125	239	89	453	1.9	767	0.59
382	2,2	798	289	250	79	618	1.8	761	0.81
149	2	1400	115	231	200	546	1.6	741	0.74
354	2	734	118	184	141	443	1.2	734	0.60
188	2	950	158	205	156	519	1.5	719	0.72
315	2	820	135	261	53	454	1.7	703	0.65
359	1	980	160	78	67	305	0.6	696	0.44
192	3,3	2069	403	100	154	657	0.9	692	0.95
309	2	775	172	216	57	445	1.6	688	0.65
383	2	437	74	154	75	303	1.1	669	0.45
130	2,2	612	94	155	78	327	1.3	659	0.50
368	2,2	682	229	221	36	486	1.8	649	0.75
267	2,3,3	1467	18**	193	84	259	1.9	609	0.42
200	2	800	76	107	83	266	0.9	608	0.44
339	2,3	2176	279	104	180	563	1.0	592	0.95
340	2	50	00	72	14	86	0.6	583	0.15
186	2,2,2	400	259	166	71	496	1.9	547	0.91
315	2	302	55	288	29	372	2.7	546	0.68
185	2	1148	109	71	124	304	0.7	538	0.56
324	1,2	538	154	90	134	378	1.0	538	0.70
380	2,3	1244	90	102	96	288	1.2	534	0.54
377	1,2	733	69	118	63	250	1.1	509	0.49
170	2,2,2,3	762	159	144	123	426	1.4	503	0.85
376	2	900	41	66	111	218	0.7	486	0.45

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Factors from 57 TRACTOR Accounts, 1948

- continued -

Farm number	Size of each tractor*	Average value	Annual cost per tractor				Gallons of fuel per hour	Hours of use per tractor	Average cost per hour of use
			Depre- ciation and cash repairs	Fuel and oil	All other	Total cost			
		\$	\$	\$	\$	\$	gallons	hours	\$
310	2	260	6	131	36	173	1.8	480	0.36
344	2	300	149	140	33	322	1.7	461	0.70
331	2,2,3,3	581	143	99	51	293	1.3	429	0.68
281	3	975	184	112	101	397	1.3	424	0.94
344	3	950	116	163	92	671	2.2	416	1.61
174	1,2,2,3	951	137	128	65	330	1.7	410	0.80
371	1	122	69	35	45	149	0.5	405	0.37
373	2	900	240	111	76	427	1.4	390	1.09
366	1,2,3	857	43	114	77	234	1.8	371	0.63
375	2,3	1334	56	134	84	274	1.8	362	0.76
188	2	1500	457	173	219	849	2.7	344	2.47
370	2	685	65	158	95	318	2.4	317	1.00
202	2	675	116	100	78	294	1.8	311	0.95
145	2	183	28	93	25	146	1.4	294	0.50
188	1	450	116	63	85	264	1.5	214	1.23
376	2	150	3	69	23	95	1.8	208	0.46
376	1	924	165	25	64	254	1.1	102	2.49
Averages for 1948, by thirds according to hours of use per tractor, weighted by farms									
High		668	169	228	102	498	1.5	835	0.62
Medium		889	133	152	89	379	1.3	622	0.61
Low		709	136	108	78	323	1.6	365	0.97
Annual averages, all tractors, weighted by number of tractors:									
1948		807	145	158	89	392	1.5	585	0.67
1947		690	111	128	92	331	1.3	553	0.60
1946		608	103	131	90	324	1.3	639	0.51
1945		602	101	117	80	298	1.4	560	0.53
1944		594	90	93	77	260	1.4	530	0.54

* The figures indicate the size of each tractor in terms of the number of plow shares usually pulled. Of the 86 tractors, 10 were one-plow, 49 were two-plow, and 27 were three-plow. Farms 211, 146, 288, 165, 171, 382, 192, 130, 368, 267, 339, 186, 324, 380, 377, 170, 331, 174, 366, and 375 had more than one tractor, but the cost records were not separated by machines. Farms 188, 200, 316, 344, 359, 371, 376, and 383 had more than one tractor, but had separate accounts for each tractor.

** Appreciation.

Factors from 57 TRUCK Accounts, 1948
(Arranged by cost per truck)

Farm number	Size of each truck***	Annual cost per truck					Miles of use per truck miles	Miles per gallon of gas miles	Average cost per mile of use ¢
		Average value \$	Depre- ciation and cash repairs \$	Fuel and oil \$	All other \$	Total cost \$			
149	L	2,300	547	388	392	1,327	11,800	6	11.2
211	S	960	512	114	187	813	7,915	15	10.3
267	L	2,150	373	113	245	731	5,150	10	14.2
376	L	823	213	253	197	663	7,448	6	8.9
382	S	212	280	217	126	623	8,518	11	7.3
145	S	338	316	120	145	581	5,878	11	10.0
368	L	1,700	283	149	145	577	5,651	8	10.2
192	L,S,S	679	290	108	163	561	---	---	---
316	L	2,420	312	129	112	553	4,467	8	12.4
373	L	250	250	181	99	530	9,900	12	5.4
380	S	1,650	172	120	233	525	5,599	10	9.4
316	S	200	173	109	212	494	3,049	6	16.2
174	L,L,L,S	715	224	107	140	471	5,333	10	8.9
324	L	650	181	59	227	467	2,766	10	16.9
316	S	200	88	211	154	453	7,082	8	6.4
211	L	300	236	139	78	453	1,951	3	23.2
344	L	550	151	191	91	433	9,000	11	4.8
146	S	850	113	99	214	426	6,490	16	6.6
338	S	450	185	91	136	412	5,012	14	8.2
170	L,L,L	1,171	89	111	208	408	3,493	7	11.7
371	L	525	234	45	120	399	2,000	10	20.0
267	S	975	74	167	155	396	10,770	14	3.7
186	L	1,200	14	195	184	393	10,288	12	3.8
339	L,L,S	148	131	68	187	386	---	---	---
315	L	550	102	130	136	368	5,600	8	6.6
383	L	269	142	71	118	331	2,221	6	14.9
166	S	142	137	63	122	322	3,500	12	9.2
383	S	162	103	134	83	320	3,691	6	8.7
331	L	475	108	60	149	317	2,450	9	12.9
165	S	340	122	81	112	315	3,116	9	10.1
376	S	375	60	168	83	311	5,358	7	5.8
188	L	550	184	30	96	310	1,654	12	18.7
315	L	262	163	24	119	306	---	---	---
188	S	325	103	62	116	281	1,519	6	18.5
171	L	1,425	57	52	161	270	2,360	9	11.4
281	S	225	92	49	124	265	1,870	7	14.2
139	L	200	89	64	102	255	1,770	7	14.4
130	L	138	116	39	83	238	---	---	---
375	L,S	796	81	66	90	237	3,250	11	7.3
378	L	80	72	47	107	226	3,000	16	7.5

- continued -

Factors from 56 TRUCK Accounts, 1948

- continued -

Farm number	Size of each truck***	Average value	Annual cost per truck				Miles of use per truck miles	Miles per gallon of gas miles	Average cost per mile of use ¢
			Depre- ciation and cash repairs	Fuel and oil	All other	Total cost			
		\$	\$	\$	\$	\$			
188	L	425	103	31	73	207	771	6	26.8
366	L,L,L	233	105	50	46	201	---	-	---
359	L	138	45	55	100	200	---	-	---
315	S	208	53	46	89	188	---	-	---
345	L,S	690	8*	82	110	184	2,532	7	7.3
340	S	50	16	68	99	183	3,880	14	4.7
145	L	210	115	21	36	172	---	-	---
377	L,L	525	13	51	106	170	1,131	5	15.0
135	S	200	54	69	47	170	3,250	10	5.2
149	S	150	73	74	13	160	---	-	---
344	S	1,952	00	15	110	125	---	-	---
380	L	175	73	21	25	119	960	10	12.4
344	L	162	46	34	20	100	1,000	6	10.0
370	L,L	225	43	19	36	98	436	5	22.6
359	L	88	25	29	29	83	---	-	---
376	S	66	16*	50	12	46	500	2	9.2

Average for 1948, by thirds according to cost per truck, weighted by farms:

High	916	258	153	173	584	6,279	10	10.6
Medium	518	111	87	132	331	3,854	9	11.5
Low	343	53	46	65	164	1,883	8	11.6

Annual averages, all trucks, weighted by number of trucks:

1948	593	140	92	125	357	4,273	8**	8.9**
1947	495	133	94	139	366	4,527	9	8.9
1946	386	112	76	109	297	3,468	7	9.1
1945	337	98	73	110	281	3,019	7	10.6
1944	261	60	72	97	229	3,897	9	6.5

* Mileage unknown.

** Based on 54 trucks with known mileage.

*** The letters in the second column indicate the size of the truck. S = 1 ton or smaller. L = 1½ ton or larger.

Nine farms had 1 account for 2 or more trucks. Seven farms had 2 trucks with a separate account for each truck. Five farms had 3 trucks with a separate account for each truck. Eighteen small trucks with known mileage were driven an average of 5151 miles at a cost of \$389, or 7.5 cents per mile. Twenty-eight large trucks were driven 3575 miles at a cost of \$383, or 10.7 cents per mile.

Factors from 25 DAIRY Cow Accounts, 1948
(Arranged by number of cows)

Farm number	Size of herd cows	Value per cow \$	Feed per cow			Cost of feed and bedding per cow \$	Depreciation per cow \$	Average per 100 pounds of milk	
			Grain pounds	Hay tons	Silage tons			Cost \$	Value \$
188	68.0	183	3,023	2.0	5.9	204	10*	3.37	5.10
375	39.2	133	2,388	2.2	5.4	209	--	3.96	4.93
359	37.6	143	3,850	2.4	6.8	273	8	5.21	5.74
344	36.2	212	3,626	2.6	5.6	242	8*	3.22	4.95
316	36.0	121	2,766	1.8	4.8	213	33*	4.19	5.70
281	31.0	275	4,645	2.3	6.7	321	29	4.55	5.16
331	31.0	249	2,703	2.0	5.7	204	1	3.46	4.90
288	30.2	137	3,930	1.4	5.4	254	12*	4.52	5.97
370	29.8	223	2,586	3.6	4.0	233	--	3.89	5.15
130	26.1	162	3,369	2.7	3.6	189	25*	3.24	5.13
211	25.8	195	4,096	2.0	5.4	234	2*	3.29	5.08
382	25.2	156	1,954	2.2	8.0	189	19	3.20	5.24
377	25.1	262	5,729	2.4	7.5	334	16*	3.99	5.22
149	23.2	182	2,517	1.4	4.0	196	21*	4.23	5.10
354	22.2	180	2,822	3.3	--	237	--	4.09	4.89
309	21.2	178	2,073	3.0	2.8	190	53*	2.40	4.87
165	20.6	140	2,239	2.1	3.7	189	47*	3.56	5.44
324	20.4	136	4,306	1.4	8.1	285	26*	3.43	4.99
139	18.3	324	4,795	4.3	5.8	340	10*	2.75	2.96
373	17.3	116	3,020	4.7	2.1	269	14	4.57	4.97
145	17.2	125	1430	1.4	5.3	153	3	4.23	6.72
380	16.6	243	2,507	2.4	2.3	156	12*	3.07	4.98
200	15.7	165	1,217	2.9	4.1	162	10*	3.83	5.05
338	9.3	169	3,204	3.0	--	212	37*	3.24	5.36
202	8.8	168	2,684	2.4	--	154	27	7.06	5.98

Averages for 1948, by thirds according to numbers of cows, weighted by farms:

High	38.6	182	3,366	2.1	5.8	240	4*	4.06	5.31
Medium	24.4	186	3,043	2.5	4.3	221	21*	3.54	5.12
Low	15.4	181	2,895	2.8	4.6	216	6*	4.02	5.13

Annual averages, all farms, weighted by number of cows:

1948	26.0	183	3,164	2.4	5.0	229	8*	3.75	5.10
1947	26.4	172	3,139	2.6	4.7	222	3*	3.53	4.67
1946	25.1	164	3,079	2.6	4.9	200	13	3.50	4.69
1945	24.3	160	2,946	2.4	4.1	166	10	3.13	3.98
1944	23.3	153	3,042	2.6	4.9	168	11	3.20	4.02

* Indicates appreciation per cow.

Factors from 25 DAIRY COW Accounts, 1948
(Read across both pages)

Milk per cow cwt.	Milk test %	Average per cow			Labor returns		Labor per cow hours	Profit on enter- prise \$	Farm Number
		Cost \$	Returns \$	Profit \$	Per cow \$	Per hour \$			
86	3.6	337	486	149	240	1.87	128	10158	188
89	3.3	384	471	87	199	1.88	106	3424	375
87	3.7	479	526	47	176	1.00	177	1755	359
111	3.6	412	604	192	296	2.58	115	6974	344
68	5.0	346	447	101	180	1.95	92	3655	316
109	3.5	535	602	67	163	1.17	139	2073	281
102	3.5	412	559	147	245	2.33	105	4543	331
75	5.0	382	491	109	178	1.36	130	3299	288
96	3.5	405	527	122	204	1.91	107	3627	370
82	3.6	331	487	156	219	2.24	97	4050	130
105	3.4	391	580	189	287	2.44	118	4871	211
96	3.7	344	539	195	269	2.73	98	4894	382
109	3.5	544	679	135	235	1.75	135	3389	377
64	3.5	314	370	56	115	1.16	100	1296	149
82	3.4	357	422	65	119	1.41	85	1452	354
96	3.3	322	560	238	306	3.46	89	5048	309
81	3.6	365	518	153	247	2.06	120	3135	165
116	3.4	460	641	181	283	2.26	125	3692	324
161	3.6	496	530	34	095	0.69	139	631	139
98	3.4	481	520	39	166	1.57	106	680	373
67	5.0	306	473	167	253	3.08	82	2869	145
92	3.5	322	496	174	249	2.69	93	2901	380
74	3.5	323	413	90	174	1.56	112	1414	200
99	3.5	387	598	211	296	1.84	161	1961	338
53	4.5	388	332	-56	50	0.31	158	-500	202

Averages for 1948, by thirds according to number of cows, weighted by farms:

91	3.9	411	523	112	210	1.77	124	4485	High
90	3.5	375	520	145	222	2.13	105	3529	Medium
95	3.8	395	500	105	196	1.75	122	1706	Low

Annual averages, all farms, weighted by number of cows:

92	3.7	390	514	124	214	1.83	117	3252	1948
94	3.7	369	476	107	190	1.66	115	2810	1947
90	3.8	349	456	107	182	1.55	117	2683	1946
89	3.7	303	379	76	145	1.24	117	1852	1945
87	3.7	303	374	71	139	1.17	119	1656	1944

Factors from 22 HEIFER Accounts, 1948
(Arranged by number of heifers)

Farm number	Number of heifers* heifer	Average age end of year** months	Heifer equivalent raised*** number	Average per heifer Cost**** \$	Value \$
188	65	18	19.3	244	177
211	60	21	8.8	510	195
331	50	15	13.5	468	235
375	45	17	13.5	206	165
316	45	17	11.6	462	128
359	40	20	13.4	363	189
377	37	15	10.8	390	309
139	36	17	10.4	384	354
382	35	16	10.3	197	208
344	30	20	9.3	241	218
324	26	17	6.7	305	134
309	22	19	6.7	292	224
373	22	17	6.3	288	368
288	21	18	6.6	222	125
281	19	19	7.2	409	255
370	19	17	6.1	255	200
145	18	16	4.7	251	135
165	18	14	3.9	304	163
200	17	17	4.0	306	195
130	16	18	5.9	279	150
202	13	19	4.1	169	175
354	9	16	2.9	270	150

Averages for 1948, by thirds according to number of heifers, weighted
by farms:

High	49	18	13.0	378	200
Medium	26	18	7.9	292	236
Low	16	17	4.5	262	167

Annual averages, all farms, weighted by number of heifers:

1948	30	18	8.4	320	198
1947	25	17	7.3	313	174
1946	25	17	7.0	285	163
1945	23	18	6.5	257	163
1944	24	18	6.6	246	151

* Total number of heifers in the account during the year.

** At end of year, time of transfer to cow account, time of sale or death.

*** To 27.5 months of age.

**** Includes cost of calf started and an adjustment for death losses.

Factors from 23 HEN Accounts, 1948
(Arranged by number of birds)

Farm number	Size of flock birds	Eggs per hen eggs	Average per bird		Cost		Total cost \$	Total returns \$
			Grain fed pounds	Mash fed pounds	all feed \$	Depre- ciation \$		
375	4,018	177	53	54	4.60	0.68	6.93	8.90
345	3,233	221	54	71	5.06	1.03	7.96	10.70
368	2,772	195	90	42	6.52	1.44	10.10	10.30
371	1,947	188	61	70	4.67	0.58	7.08	8.94
310	1,703	179	55	42	4.46	1.59	9.01	8.72
171	1,210	137	62	45	4.01	0.50	5.76	6.58
186	1,149	223	49	44	4.11	1.14	7.86	10.59
338	1,013	211	55	43	4.36	1.23	6.75	10.11
354	979	255	63	69	5.63	0.26	7.89	12.25
149	901	132	51	65	4.53	0.94	7.86	6.47
146	865	180	72	36	4.60	1.02	7.89	8.15
145	850	152	59	46	5.18	0.16	7.46	7.41
324	780	227	62	53	4.74	0.97	7.67	10.62
382	651	158	83	70	6.22	2.17	10.92	7.21
373	626	156	47	53	4.60	0.80	7.13	7.48
165	521	205	62	52	5.18	0.16	7.47	10.22
288	412	190	44	43	3.97	1.86	8.10	8.92
139	397	186	62	54	5.06	0.70	7.70	8.48
174	344	126	45	41	3.83	1.26	9.19	6.36
130	280	171	68	40	4.24	0.02	6.61	8.55
309	192	201	95	58	5.65	0.15*	8.44	9.00
166	114	167	83	41	5.45	2.82	11.69	7.41
211	111	139	--	102	4.50	0.63*	9.33	6.09

Averages for 1948, by thirds according to number of birds, weighted by farms:

High	2,131	191	60	51	4.72	1.02	7.68	9.36
Medium	807	180	62	56	5.07	0.90	8.12	8.51
Low	296	173	57	54	4.74	0.76	8.57	8.13

Annual averages, all farms, weighted by number of birds:

1948	1,090	188	59	54	4.92	0.94	7.91	9.19
1947	1,082	191	53	57	5.02	1.05	7.88	8.97
1946	910	181	54	55	4.09	0.55	6.56	7.44
1945	899	172	51	50	3.33	0.42	5.50	6.61
1944	936	174	59	50	3.31	0.49	5.46	5.97

* Indicates appreciation per bird.

Factors from 23 HEN Accounts, 1948
(Read across both pages)

Per dozen eggs		Per 100 birds		Return	Mortality	Profit on	Farm number
Cost	Value	Labor returns	Labor hours	per hour of labor		enter- prises	
\$	\$	\$	hours	\$	percent	\$	
46	60	261	73	3.56	12	7914	375
43	58	389	124	3.14	23	8861	345
67	69	118	113	1.04	15	552	368
45	56	281	110	2.56	12	3621	371
63	61	189	241	0.78	31	-505	310
50	57	164	123	1.32	15	991	171
42	57	456	159	2.86	10	3144	186
38	57	389	100	3.90	12	3405	338
37	59	544	172	3.17	17	4259	354
71	58	31	276	0.11	7	-1252	149
52	54	203	128	1.59	29	226	146
58	57	137	136	1.01	18	-43	145
40	55	432	168	2.57	20	2301	324
82	54	-248	162	-1.53	30	-2412	382
55	57	179	120	1.49	17	220	373
43	59	381	135	2.81	16	1429	165
50	55	266	350	0.76	19	337	288
55	60	187	247	0.76	18	313	139
87	60	-74	199	-0.37	36	-973	174
45	58	335	216	1.55	16	543	130
50	52	231	246	0.94	26	79	309
84	53	-178	229	-0.78	51	-488	166
80	46	-294	112	-2.63	16	-430	211

Averages for 1948, by thirds according to number of birds, weighted by farms:

49	59	281	130	2.40	16	3498	High
56	56	183	166	1.20	20	471	Medium
62	55	107	217	0.38	25	101	Low

Annual averages, all farms, weighted by number of birds:

51	59	247	141	1.75	18	1395	1948
50	57	224	147	1.52	22	1173	1947
44	50	200	157	1.27	18	801	1946
39	46	211	166	1.27	21	996	1945
38	41	149	161	0.89	23	476	1944

Factors from 24 CHICK Accounts, 1948
(Arranged by number of chicks started)

(Arranged by number of chicks started)												
Farm number	Number started	Per cent of chicks			Average per		Value per chick started	Average		Return per hour of enter-	Profit on enter- prise	
		or sold	Broilers	Died	100 chicks started			per mature equivalent	Cost			Value
					Feed	Labor						
	number	%	%	%	pounds	hours	\$	\$	\$	\$	\$	
Day-old sexed pullet chicks:												
375	7,000	85	*	15	2,504	11	40	2.23	1.50	-4.52	-4,331	
368	3,853	83	4	13	3,666	27	43	3.38	2.85	-0.79	-1,702	
310	3,524	61	15	24	2,058	23	40	2.86	2.16	-0.91	-1,491	
146	1,000	87	*	13	1,626	28	35	2.13	2.00	0.93	-113	
338	940	76	9	5	2,819	41	34	2.26	2.50	1.03	192	
171	850	88	2	10	2,972	56	35	2.10	1.50	-0.29	-451	
324	780	90	2	8	1,705	28	40	1.76	2.00	1.57	165	
288	600	70	3	27	3,240	92	40	3.56	1.85	-0.77	-711	
373	364	76	10	14	1,982	23	31	2.09	2.50	2.54	114	
130	350	87	3	10	1,714	81	35	2.35	1.50	-0.27	-259	
Day-old straight-run chicks:												
354	3,500	43	48	9	2,441	20	17	1.71	2.03	1.33	487	
139	1,855	51	17	32	1,291	29	22	2.79	2.56	0.38	-143	
382	1,180	39	51	10	2,597	24	20	2.03	2.21	1.09	86	
380	500	40	53	7	2,403	49	18	2.60	2.75	0.92	29	
Miscellaneous chicks:												
345	5,300	63	35	2	1,596	19	51	1.81	1.98	1.52	588	
371	5,020	74	8	18	2,736	29	34	2.44	2.01	-0.22	-1,583	
186	2,700	59	8	33	1,963	15	30	2.21	2.00	0.33	-331	
382	2,157	73	18	9	2,281	15	25	1.70	2.74	6.00	1,646	
149	2,000	59	32	9	2,408	42	26	1.74	2.38	1.48	747	
174	1,660	54	12	34	2,176	31	29	3.24	1.75	-1.54	-1,328	
165	881	97	*	3	2,359	19	86	2.27	2.40	1.50	117	
166	363	92	*	8	2,369	25	110	2.76	2.00	-1.70	-256	
211	300	62	27	11	1,467	20	22	1.18	1.50	1.82	60	
309	300	75	13	12	2,202	25	32	1.86	2.25	1.92	88	
Annual averages, all farms, weighted by number of birds:												
1948	1,957	69	16	15	2,350	25	36	2.33	2.07	0.10	-349	
1947	1,863	69	16	15	2,430	27	30	2.26	2.11	0.36	-196	
1946	2,088	60	18	22	1,953	25	26	1.97	1.95	0.63	-34	
1945	2,978	51	36	13	1,645	21	21	1.44	1.64	1.00	242	
1944	2,292	55	23	22	1,920	22	23	1.66	1.54	0.32	-138	

* Less than 1%.

Factors from 3 INCUBATION Accounts, 1948
(Arranged by number of eggs set)

Farm number	Eggs set number	Value per egg ¢	Per cent hatch %	Average per 100 salable chicks hatched				Return per hour of labor \$	Profit on enter- prise \$
				Net cost \$	Value \$	Labor returns \$	Labor hours		
368	123,342	6.9	73	12.67	20.13	8.15	0.8	10.36	6,720
310	25,481	7.1	80	15.42	19.82	6.49	2.3	2.81	891
139	10,326	6.8	48	19.09	23.42	4.79	3.1	1.54	170
<u>Annual averages, all farms:</u>									
1948	53,050	6.9	72	13.47	20.22	7.71	1.2	6.68	2,594
1947	69,724	6.6	65	12.90	16.43	4.26	1.0	4.14	1,593
1946	62,143	5.6	71	11.29	16.51	5.89	1.0	6.18	2,312
1945	59,053	5.1	60	11.10	17.52	7.06	1.0	7.17	2,289
1944	42,189	5.6	59	12.22	18.32	7.00	1.3	5.37	1,524

Factors from 10 POTATO Accounts, 1948
(Arranged by acres of potatoes)

Farm number	Potatoes grown acres	Yield per acre bu.	Cost per acre			Average per bushel		Labor per acre hours	Return per hour of labor \$	Profit on enterprise \$
			Ferti-lizer \$	Spray and dust \$	Growing \$	Cost \$	Value \$			
267	80.0	359	29	18	184	0.90	1.51	95	3.61	17,552
165	47.8	280	30	6	146	0.79	1.38	72	3.16	7,920
316	43.5	394	59	29	227	1.06	1.42	116	2.11	6,229
166	39.0	231	45	8	182	1.22	1.40	82	1.51	1,612
186	37.4	323	42	13	143	0.78	1.40	80	3.61	7,515
344	22.0	451	42	13	147	0.70	1.40	123	3.44	6,884
146	14.0	221	30	25	160	1.21	1.04	84	0.87	-517
324	6.0	295	53	3	161	1.05	1.25	102	1.40	358
149	3.0	139	61	7	150	1.59	1.41	102	0.35	-74
130	2.0	268	24	4	178	1.19	1.11	148	0.52	-40

Annual averages, all farms, weighted by number of acres:

1948	29.5	326	39	15	174	0.92	1.42	93	2.78	4,744
1947	32.8	231	35	15	142	1.04	1.50	84	2.18	3,499
1946	30.4	308	32	14	140	0.75	1.09	92	2.00	3,143
1945	26.7	158	28	9	128	1.23	1.42	77	1.11	812
1944	31.0	265	29	9	122	0.73	1.35	92	2.46	5,070

Factors from 7 CABBAGE Accounts, 1948
(Arranged by acres of cabbage)

Farm number	Cabbage grown acres	Yield per acre tons	Average per acre		Average per ton		Labor per acre hours	Labor returns		Profit on enterprise \$
			Cost \$	Returns \$	Net cost \$	Value \$		Per acre \$	Per hour \$	
170	26.1	9.0	173	90	19.29	10.06	70	-12	-0.17	-2,158
315	19.0	9.9	187	182	18.90	18.48	78	74	0.95	-79
380	12.7	21.5	193	387	8.96	17.99	101	273	2.70	2,470
149	12.0	5.9	114	45	18.56	6.85	61	-33	-0.54	-829
174	9.3	13.2	450	438	33.98	33.07	100	93	0.93	-112
171	6.0	11.9	117	132	9.89	11.15	90	75	0.83	90
324	2.5	14.9	183	199	12.28	13.35	106	102	0.97	40

Annual averages, all farms, weighted by number of acres:

1948	12.5	11.4	197	190	17.21	16.63	81	66	0.81	-83
1947	11.6	9.4	200	412	21.22	43.65	97	299	3.07	2,467
1946	14.6	9.6	145	85	15.02	8.84	82	12	0.14	-868
1945	13.2	8.4	126	100	15.04	11.95	82	33	0.40	-342
1944	9.9	5.8	144	202	24.57	34.57	92	122	1.32	577

Factors from 7 DRY BEAN Accounts, 1948
(Arranged by acres of beans)

Farm Number	Beans grown acres	Yield per acre bushels	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Net cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
135	41.5	12	47	50	3.72	3.98	17	19	1.11	131
211	30.0	19	54	77	2.88	4.13	16	36	2.31	698
316	22.3	22	125	100	5.47	4.34	23	-5	-0.22	-551
202	14.0	5	72	21	13.44	4.00	19	-38	-2.01	-708
130	12.6	33	130	195	3.79	5.76	30	85	2.80	820
324	4.5	32	96	152	2.74	4.46	30	80	2.64	250
377	4.5	43	120	198	2.69	4.48	35	104	2.98	348

Annual averages, all farms, weighted by acres of beans:

1948	18.5	18	77	85	4.06	4.47	20	24	1.18	141
1947	18.6	15	68	90	4.34	5.79	24	41	1.72	413
1946	22.0	21	61	126	2.79	5.84	28	85	3.04	1417
1945	13.2	16	57	76	3.42	4.61	32	38	1.21	256
1944	11.6	10	43	42	4.03	3.97	29	11	0.38	-7

Factors from 6 CANNING FACTORY PEA Accounts, 1948
(Arranged by acres of peas)

Farm number	Peas grown acres	Yield per acre pounds	Average per acre		Average per ton		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
186	19.7	3,024	72	122	47.31	80.56	14	66	4.73	990
315	15.5	468	72	19	311.94	83.61	12	-9	-3.37	-822
146	12.0	2,338	77	100	66.07	85.32	15	43	2.90	270
368	10.0	2,799	105	112	74.79	80.00	11	17	1.51	73
130	5.0	2,653	94	70	68.72	51.10	29	-5	-0.17	-120
149	4.3	1,816	100	96	103.33	99.42	19	8	-.42	-15

Annual averages, all farms, weighted by acres of peas:

1948	11.1	2,165	81	87	74.53	79.77	15	21	1.39	63
1947	10.5	2,899	73	119	50.31	81.95	18	63	3.43	482
1946	11.3	3,334	83	155	47.56	90.78	23	91	4.04	817
1945	11.0	2,443	70	115	57.20	93.62	18	56	3.21	488
1944	10.3	2,368	65	103	54.64	86.66	18	49	2.68	390

Factors from 6 CANNING-FACTORY TOMATO Accounts, 1948
(Arranged by acres of tomatoes)

Farm number	Tomatoes grown acres	Yield per acre tons	Average per acre		Average per ton		Labor per acre hours	Labor returns		Profit on enterprise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
170	53.0	5.4	199	157	37.05	29.26	82	43	0.52	-2213
315	41.6	7.4	209	241	28.10	32.40	92	134	1.45	1328
376	21.5	12.6	292	376	22.74	29.41	167	258	1.55	1814
200	12.3	9.0	174	272	19.29	30.12	109	179	1.65	1202
149	8.0	8.5	202	258	23.78	30.46	101	117	1.15	453
383	5.0	17.6	448	552	25.46	31.36	263	361	1.37	520
Annual averages, all farms, weighted by acres:										
1948	23.6	8.0	223	245	27.73	30.47	108	130	1.20	517
1947	15.2	9.0	230	267	25.62	29.76	116	147	1.27	566
1946	18.8	15.7	236	468	15.01	29.72	119	358	3.02	4343
1945	16.3	9.7	171	252	17.60	25.88	107	160	1.49	1314
1944	13.1	6.8	166	174	24.49	25.61	103	86	0.84	99

Factors from 3 CANNING FACTORY CORN Accounts, 1948
(Arranged by acres of corn)

Farm number	Corn grown acres	Yield per acre tons	Average per acre		Average per ton		Labor per acre hours	Labor returns		Profit on enterprise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
267	28.0	3.7	75	129	19.38	34.00	14	72	5.16	1512
130	10.5	2.4	52	83	21.41	33.98	38	54	1.43	322
146	9.0	2.0	55	68	27.67	34.17	7	23	3.25	117
Annual averages, all farms, weighted by acres of corn:										
1948	15.8	3.1	67	108	20.75	34.02	18	59	3.28	650
1947	11.8	1.7	50	44	30.14	26.36	16	7	0.45	-74
1946	20.1	3.5	58	101	15.68	27.97	31	69	2.20	865
1945	19.9	3.5	58	99	15.63	27.36	38	65	1.72	818
1944	21.9	2.4	46	57	18.43	22.97	29	28	0.98	240

Factors from 17 APPLE Accounts, 1948
(Arranged by acres of apples)

Farm number	Orchard bearing age acres	Yield pack- able fruit per acre bu.	Labor		Cost of spray and dust materials per acre \$	Cost to grow an acre \$	Net to grower		Return per hour of labor \$	Profit on enter- prise \$
			To grow an acre hrs.	To harvest and market a bu. minutes			Cost per bu. \$	Returns per bu. \$		
192	117.4	215	76	13	26	201	1.23	1.24	1.05	231
366	104.0	122	28	26	44	156	1.81	1.73	0.97	-1,032
339	104.0	383	67	15	45	240	0.90	1.51	2.57	24,020
170	81.2	251	47	13	39	133	0.76	1.13	1.92	7,566
315	65.9	235	29	12	35	114	0.73	1.05	1.90	4,862
185	62.3	293	52	19	45	217	1.04	1.12	1.04	1,525
340	58.3	85	27	48	20	79	1.83	1.17	0.45	-3,274
378	42.0	292	70	30	84	205	1.16	1.68	1.52	6,379
383	40.0	272	45	13	45	159	0.90	1.49	2.58	6,403
376	34.5	261	37	11	32	122	0.55	1.18	2.89	5,640
359	30.0	58	27	28	20	75	1.66	1.90	1.08	424
171	21.3	48	22	24	9	55	1.55	1.30	0.38	-251
200	19.9	87	26	16	31	91	1.26	1.43	1.05	299
345	15.2	111	23	39	29	78	1.35	1.76	1.40	693
368	12.1	35	13	16	10	55	1.81	1.50	0.38	-132
149	11.2	80	16	29	14	61	0.92	1.16	0.94	211
370	8.0	20	9	12	9	45	2.21	1.22	-0.79	-162

Averages for 1948, by thirds according to number of acres, weighted by farms:

High	89.1	250	50	16	39	177	1.08	1.30	1.58	6,195
Medium	41.0	194	41	26	40	128	1.22	1.48	1.70	3,114
Low	14.6	64	18	23	17	64	1.52	1.40	0.56	110

Annual averages, all farms, weighted by number of acres:

1948	48.7	213	46	18	37	155	1.05	1.35	1.60	3,141
1947	46.7	227	40	20	41	133	0.99	1.28	1.55	3,090
1946	46.4	262	138	22	37	126	0.85	1.77	2.66	11,181
1945	41.1	22	34	36	19	83	4.44	3.26	0.27	-1,045
1944	40.4	192	38	26	18	82	0.78	1.52	1.90	5,756

Factors from OTHER FRUIT Accounts, 1948
(Arranged by acres of fruit)

Farm number	Orchard bearing age acres	Yield pack- able fruit per acre bu.	Labor		Cost of spray and dust materials per acre \$	Cost to grow an acre \$	Net to grower		Return per hour of labor \$	Profit on enter- prise \$
			To grow an acre hrs.	To harvest and market a bu. minutes			Cost per bu. \$	Returns per bu. \$		

5 Accounts with PEARS

170	10.9	1	20	60	26	60	70.19	3.50	-3.58	-1,067
378	8.8	55	54	54	20	54	2.87	3.67	1.25	389
315	6.0	29	--	23	--	23	1.17	0.98	0.53	-32
383	3.7	79	2	37	--	37	1.98	2.65	2.08	196
345	1.8	26	2	56	2	56	1.78	2.63	1.78	39

Annual averages, all farms, weighted by acres of pears:

1948	6.2	32	22	44	14	77	3.33	2.86	0.57	-95
1947	6.7	80	25	34	27	96	1.85	2.27	1.40	224
1946	7.4	82	64	38	19	120	2.14	3.03	1.54	541
1945	8.3	18	35	38	12	76	4.98	3.08	0.08	-280
1944	7.0	109	39	31	12	68	1.03	1.58	1.32	426

8 Accounts with PEACHES:

170	13.0	141	70	30	16	131	1.54	2.09	1.57	1,011
383	12.7	184	69	32	7	154	1.63	2.26	1.75	1,479
315	7.0	95	37	30	19	107	1.80	2.19	1.45	263
376	6.0	110	47	24	10	97	0.93	1.45	1.83	345
378	5.9	213	120	78	31	189	2.05	2.19	0.90	179
200	5.4	156	34	33	7	67	0.93	1.55	1.55	520
366	4.0	86	75	33	--	205	2.80	2.50	0.73	-101
149	3.5	139	90	23	17	122	1.14	1.92	1.35	382

Annual averages, all farms, weighted by acres of peaches:

1948	7.2	146	67	37	13	134	1.58	2.06	1.39	510
1947	6.4	146	62	37	19	127	1.63	1.73	1.04	99
1946	6.5	136	64	48	12	115	1.64	1.90	1.13	237
1945	7.8	146	42	32	9	78	1.05	2.31	2.39	1,424
1944	8.3	131	53	36	6	67	1.01	2.21	1.91	1,300

Factors from OTHER FRUIT Accounts, 1948

- continued -

Farm number	Orchard bearing age acres	Yield per acre pounds	Labor to grow hours	Average per acre		Net to grower		Return per hour of labor	Profit on enter- prise
				Cost of spray and dust materials	Cost to grow	Cost	Returns		
				\$	\$	¢	¢		
<u>4 Accounts with SOUR CHERRIES</u>									
315	13.5	2,102	21	10	69	6.6	10.7	1.59	1,144
170	11.9	2,731	16	8	59	5.6	10.3	1.77	1,543
383	11.3	5,266	7	10	71	5.2	10.5	2.77	3,122
376	8.5	4,578	36	19	96	4.8	10.5	2.83	2,211
Annual averages, all farms, weighted by acres of cherries:									
1948	11.3	3,524	19	11	72	5.5	10.5	2.25	2,005
1947	11.4	2,897	20	9	68	6.2	10.3	1.82	1,356
1946	6.4	4,801	19	15	93	6.3	20.0	3.86	4,163
1945	9.2	2,697	22	14	82	7.3	11.9	1.80	1,121
1944	7.3	3,375	17	7	48	4.6	9.7	1.89	1,243
<u>2 Accounts with SWEET CHERRIES</u>									
315	7.5	4,847	2	17	62	4.7	12.2	1.98	2,733
170	4.0	2,920	25	16	78	6.9	12.3	1.68	630

Factors from 31 HAY Accounts Other Than Alfalfa, 1948
(Arranged according to acres of hay)

Farm number	Hay per farm acres	Yield per acre tons	Average per acre		Average per ton		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
359	96.0	1.4	31	38	20	25	10	14	1.44	677
331	93.9	2.3	40	44	17	18	10	13	1.32	346
375	72.0	1.2	34	24	24	16	3	-8	-2.93	-750
344	65.0	2.4	64	41	27	17	8	-16	-1.91	-1483
188	61.5	2.6	44	52	15	21	6	20	3.37	972
149	58.6	1.7	19	30	10	17	5	14	2.89	662
370	54.0	2.1	24	57	10	25	4	36	8.84	1774
373	53.7	1.6	36	34	21	20	4	3	0.78	-96
309	47.6	1.8	27	29	14	15	5	6	1.15	92
281	46.6	1.9	33	33	16	16	2	6	0.71	8
382	41.5	3.1	31	60	6	15	7	35	5.04	1220
316	40.2	2.7	76	58	27	20	10	-10	-1.05	-746
145	39.8	2.2	31	33	12	12	3	5	1.52	63
380	38.3	2.8	54	36	17	11	8	-12	-1.45	-706
377	37.2	3.4	53	57	14	15	11	12	1.09	136
139	37.2	1.5	18	38	12	25	8	24	2.85	747
165	35.0	1.7	35	26	21	16	9	-2	-0.23	-306
345	28.9	1.7	39	47	23	28	12	20	1.58	234
174	27.0	2.2	63	41	29	19	8	-13	-1.73	-586
202	25.5	1.8	37	24	21	14	8	-7	-0.93	-319
324	25.5	1.8	29	29	16	16	5	4	0.82	1
354	21.0	4.0	57	72	14	18	10	21	2.11	313
338	20.5	1.9	46	40	23	20	5	-3	-0.56	-110
368	20.1	2.6	40	46	15	17	9	13	1.44	106
383	15.9	2.1	48	32	22	15	16	1	0.03	-256
170	14.5	2.2	38	42	17	19	14	19	1.33	64
171	13.7	2.9	37	46	12	15	9	15	1.70	123
200	11.7	2.6	44	46	17	18	10	9	0.95	22
376	10.5	2.3	39	34	17	15	7	3	0.51	-48
310	4.0	2.5	41	28	15	10	10	-4	-0.39	-53
139	4.0	2.5	56	88	22	35	15	38	2.56	125

Averages for 1948, by thirds according to acres of hay, weighted by farms:

High	64.9	1.9	35	39	17	19	6	9	1.57	220
Medium	34.3	2.3	42	41	18	17	8	5	0.68	-24
Low	13.6	2.6	45	47	18	18	10	11	0.97	29

Annual averages, all farms, weighted by acres of hay:

1948	37.5	2.1	39	41	17	18	7	8	1.07	72
1947	36.6	2.2	37	40	16	17	8	8	1.05	75
1946	41.7	1.9	29	31	14	15	7	7	0.97	84
1945	36.2	2.0	29	33	14	16	9	9	1.02	128
1944	35.5	1.8	26	31	14	17	8	10	1.33	196

Factors from 11 ALFALFA Accounts, 1948
(Arranged by acres of alfalfa)

Farm number	Alfalfa per farm acres	Yield per acre tons	Average		Average		Labor per acre hours	Labor returns		Profit on enter- prise
			per acre		per ton			Per acre	Per hour	
			Cost	Returns	Cost	Value				
			\$	\$	\$	\$		\$	\$	\$
211	45.0	1.9	26	35	13	18	3	12	3.61	408
130	33.2	2.9	42	43	13	13	6	5	0.83	38
371	32.0	2.3	58	44	25	20	21	5	0.24	-424
146	23.8	1.3	39	22	29	16	7	-7	-1.03	-406
170	20.6	2.4	50	49	21	21	9	8	0.92	-18
288	18.5	2.5	48	67	15	22	18	29	1.56	353
315	15.0	3.7	68	61	18	17	17	11	0.64	-94
149	11.4	2.2	21	37	10	17	7	20	2.97	181
139	10.1	2.5	36	87	14	35	13	57	4.41	516
135	9.9	2.0	34	38	17	19	7	11	1.47	41
267	6.0	3.3	80	56	24	17	15	-5	-0.33	-147

Annual averages, all farms, weighted by acres of Alfalfa:

1948	20.5	2.3	43	45	18	19	10	11	1.03	41
1947	27.5	2.0	37	40	17	18	10	11	1.12	72
1946	30.9	2.4	31	36	13	15	10	12	1.19	145
1945	24.8	2.1	27	39	13	19	9	19	1.99	302
1944	20.7	2.0	28	46	13	22	11	24	2.19	373

Factors from 4 GRASS SILAGE Accounts, 1948
(Arranged by acres of silage)

(arranged by acres of silage)									
Farm number	Silage	Yield	Labor	Labor per acre		Cost per acre		Cost per	Cost
	per	per	per	To	To			ton to	per
	farm	acre	ton	grow	harvest	Manure	Total	harvest	ton
	acres	tons	hours	hours	hours	\$	\$	\$	\$
188	42.5	8	1.6	---	11	12	47	2.79	5.01
331	19.0	9	1.9	---	18	---	56	3.47	5.92
324	16.0	7	1.3	---	8	6	38	3.92	5.75
382	11.0	5	0.9	---	5	---	29	1.75	5.25

Annual averages, all farms, weighted by acres of silage:

1948	22.1	8	1.5	--	11	7	45	3.06	5.39
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Factors from 24 CORN SILAGE Accounts, 1948
(Arranged by acres of silage)

Farm number	Silage	Yield	Labor	Labor per acre		Cost per acre		Cost per	Cost
	per farm acres	per acre tons	per ton hours	To grow hours	To harvest hours	Manure \$	Total \$	ton to harvest \$	per ton \$
149	26.6	6	4.2	13	10	6	69	3.99	12.31
316	20.0	9	2.2	8	12	7	90	2.76	9.96
370	20.0	8	2.7	8	14	15	69	2.74	8.66
211	20.0	8	1.5	5	7	5	50	2.77	6.21
359	19.0	14	2.5	5	31	6	64	2.58	4.44
281	18.9	11	2.5	10	17	38	119	3.20	11.29
344	17.0	12	1.4	8	10	13	82	2.15	6.66
377	17.0	15	1.9	14	16	20	88	1.27	5.75
382	16.5	11	1.2	4	9	9	53	1.80	4.63
188	14.5	14	1.7	9	14	25	105	3.10	7.40
200	13.4	6	3.8	9	12	3	56	3.15	10.23
309	12.5	6	3.0	7	11	17	64	3.51	10.73
288	12.2	12	2.6	19	13	15	85	1.61	6.93
331	12.0	7	2.7	5	13	18	81	3.66	12.14
139	10.8	11	2.7	18	12	28	74	1.69	6.32
145	10.5	11	2.2	9	17	2	87	2.71	7.64
165	10.0	7	3.6	12	14	3	79	3.82	10.94
324	8.3	11	1.7	7	12	9	84	3.84	7.64
186	6.0	17	1.5	12	13	-	116	2.61	6.98
380	6.0	16	1.7	8	18	4	102	2.19	6.51
174	5.0	14	2.3	11	21	-	151	4.29	11.07
373	4.0	9	2.9	22	16	10	113	3.61	12.53
368	3.0	18	2.3	21	20	-	120	3.60	6.77
171	3.0	5	7.0	11	24	-	52	5.13	10.33

Averages for 1948, by thirds according to acres of silage, weighted by farms:

High	19.8	10	2.4	9	15	14	79	2.68	8.16
Medium	12.8	10	2.5	10	13	15	76	2.65	8.25
Low	5.7	12	2.9	13	17	3	102	3.64	9.10

Annual averages, all farms, weighted by acres of silage:

1948	12.8	10	2.3	10	14	12	80	2.69	7.81
1947	14.0	9	2.5	8	14	12	71	2.75	7.82
1946	15.5	10	2.5	9	15	12	64	2.21	6.71
1945	16.2	8	2.9	9	14	11	60	2.40	7.24
1944	14.7	8	2.7	8	15	9	55	2.20	6.54

Factors from 18 CORN FOR GRAIN Accounts, 1948
(Arranged by acres of corn)

Farm number	Grain per farm acres	Yield per acre bushels	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	
371	43.0	28	49	38	1.78	1.37	15	2	0.11	-499
382	40.0	36	47	62	1.22	1.63	10	22	2.30	597
211	28.0	50	34	60	0.68	1.20	6	31	5.17	731
171	25.4	71	39	72	0.54	1.00	15	42	2.81	820
146	24.4	23	36	36	1.58	1.60	8	11	1.44	9
359	21.5	39	50	77	1.26	1.96	11	35	3.35	592
380	14.0	39	56	58	1.45	1.50	11	11	0.99	29
310	12.9	50	56	100	1.12	1.99	14	56	3.94	566
135	9.8	23	46	53	2.05	2.32	13	19	1.39	61
316	9.0	58	99	58	1.70	1.00	23	-21	-0.91	-368
149	9.0	28	49	47	1.76	1.68	9	3	0.35	-19
368	8.0	41	104	74	2.54	1.79	20	-13	-0.65	-247
324	8.0	62	65	125	1.04	2.00	13	71	5.40	481
345	7.5	13	71	19	5.32	1.40	20	-34	-1.69	-392
373	5.0	48	76	95	1.59	2.00	20	43	2.19	97
377	4.5	50	96	102	1.80	1.92	25	25	0.99	27
145	4.0	20	75	45	3.76	2.25	10	-9	-0.95	-121
344	2.0	50	73	100	1.46	2.00	7	34	4.79	54

Averages for 1948, by thirds according to acres of corn, weighted by farms:

High	30.4	41	42	58	1.18	1.46	11	24	2.53	375
Medium	10.4	40	68	65	1.77	1.71	15	9	0.85	8
Low	5.2	40	76	81	2.50	1.93	16	22	1.79	24

Annual averages, all farms:

1948	15.3	40	52	61	1.29	1.51	12	20	1.56	134
1947	14.1	31	49	72	1.55	2.26	13	33	2.63	318
1946	15.3	39	44	68	1.12	1.76	15	36	2.35	379
1945	12.7	35	43	55	1.20	1.56	14	23	1.58	160
1944	10.3	35	43	47	1.21	1.32	19	16	0.83	41

Factors from 24 OATS Accounts, 1948
(Arranged by acres of oats)

Farm number	Grain per farm acres	Yield per acre bushels	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
331	35.5	13	34	16	2.49	1.06	8	-11	-1.50	-639
211	34.5	45	34	33	0.74	0.70	6	4	0.59	-58
130	29.6	62	34	49	0.45	0.70	7	20	2.84	457
382	29.0	58	41	66	0.59	1.01	7	30	4.25	706
188	26.0	50	63	48	1.17	0.86	11	-7	-0.64	-392
370	25.5	29	59	30	1.79	0.79	9	-21	-2.26	-733
368	23.0	32	47	37	1.44	1.12	8	-4	-0.47	-237
359	22.0	47	39	70	0.52	1.20	10	39	3.88	699
288	20.3	55	46	36	0.79	0.62	12	-3	-0.25	-195
344	20.0	50	60	57	1.07	1.14	8	4	0.48	-67
371	15.0	50	44	43	0.87	0.85	8	6	0.74	-15
309	14.9	39	60	43	1.35	0.90	14	-7	-0.48	-259
170	14.6	16	60	24	3.84	1.54	11	-25	-2.41	-527
165	12.5	34	42	47	1.10	1.25	12	14	1.21	62
202	11.5	28	62	26	1.99	0.70	15	-26	-1.73	-413
200	10.5	33	57	30	1.57	0.75	16	-16	-1.00	-289
377	9.5	69	87	61	1.21	0.75	16	-20	-1.26	-298
345	9.2	11	48	17	4.05	1.28	12	-19	-1.51	-277
171	8.0	50	34	47	0.64	0.90	9	19	2.11	106
281	7.4	72	58	105	0.52	1.18	17	59	3.45	348
166	7.0	22	35	24	1.56	1.09	11	2	0.16	-74
383	6.0	17	48	16	2.56	0.65	5	-26	-5.10	-191
373	3.3	31	57	39	1.69	1.13	11	-5	-0.46	-58
139	3.0	37	51	61	0.97	1.25	23	20	0.88	30
Averages for 1948, by thirds according to acres of oats, weighted by farms:										
High	28.1	42	44	44	1.15	0.93	8	6	0.84	-26
Medium	14.9	38	54	38	1.57	0.97	12	-7	-0.43	-213
Low	6.7	39	52	46	1.65	1.03	13	4	-0.22	-52
Annual averages, all farms, weighted by acres of oats:										
1948	16.6	41	48	42	1.04	0.90	10	2	0.18	-97
1947	16.2	33	46	51	1.19	1.35	9	13	1.46	85
1946	18.4	46	42	45	0.79	0.87	12	12	1.03	62
1945	14.1	32	38	37	0.98	0.95	11	6	0.57	-14
1944	13.1	33	35	35	0.84	0.84	12	7	0.56	-3

Factors from 3 MIXED SPRING GRAIN Accounts, 1948
(Arranged by acres of grain)

Farm number	Grain per farm acres	Yield per acre bushels	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
359	15.0	28	42	69	1.01	2.00	7	33	4.47	411
171	14.0	16	24	17	1.41	1.00	5	-3	-0.60	-95
316	10.8	23	76	34	3.02	1.20	12	-32	-2.67	-452
<u>Annual averages, all farms, weighted by acres of grain:</u>										
1948	13.3	22	45	42	1.67	1.52	8	3	0.34	-45
1947	14.5	28	43	40	1.46	1.35	11	5	0.49	-45
1946	22.4	36	32	41	0.80	1.03	10	15	1.53	187
1945	17.6	35	35	41	0.87	1.04	11	13	1.18	107
1944	14.4	34	37	41	0.87	1.00	12	12	0.96	62

Factors from 28 WHEAT Accounts, 1948
(Arranged by acres of wheat)

Farm number	Grain per farm acres	Yield per acre bushels	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
267	71.0	23	38	48	1.66	2.10	8	19	2.36	703
211	69.7	22	32	45	1.40	2.03	5	18	3.38	957
368	53.5	30	40	57	1.30	1.86	8	24	2.90	900
146	44.6	34	42	72	1.20	2.10	8	40	5.05	1,365
315	43.9	36	49	83	1.25	2.21	13	48	3.59	1,511
186	34.0	32	46	66	1.30	1.95	10	31	2.97	698
371	32.0	34	50	78	1.29	2.10	14	40	2.85	892
324	31.7	29	57	69	1.65	2.09	10	21	2.11	399
130	28.2	32	45	70	1.31	2.10	6	29	4.65	708
135	26.6	26	27	55	1.05	2.10	6	34	5.49	730
171	26.0	32	39	74	1.13	2.24	11	43	3.85	912
382	26.0	25	40	60	1.54	2.33	8	26	3.36	513
149	24.0	17	49	43	2.46	2.10	6	-3	-0.52	-151
309	23.6	21	53	49	1.99	1.80	12	5	0.45	-97
380	22.0	37	62	92	1.47	2.29	7	36	5.17	667
174	20.6	10	58	29	5.22	2.25	4	-25	-6.35	-600
331	17.0	36	48	83	1.12	2.11	12	46	3.72	602
316	15.0	30	94	54	2.82	1.50	12	-29	-2.39	-594
170	13.3	35	55	86	1.30	2.20	10	41	4.24	417
337	12.5	35	50	48	1.22	1.17	7	7	1.00	25
359	12.0	17	34	58	1.55	3.00	8	-2	3.94	290
202	11.5	23	71	53	2.89	2.10	25	2	-0.08	-207
145	10.5	13	46	42	2.63	2.40	6	30	0.39	-32
288	8.1	20	70	53	2.86	2.00	17	-8	-0.48	-138
376	7.0	40	74	104	1.14	1.89	20	54	2.72	207
383	5.4	34	60	81	1.27	1.90	14	35	2.58	117
373	4.0	19	65	61	2.91	2.69	11	9	0.82	-17
310	3.0	15	57	37	3.33	2.00	20	-5	-0.25	-60

Averages for 1948, by thirds according to acres of wheat, weighted by farms:

High	45.4	30	44	65	1.37	2.06	9	30	3.32	904
Medium	21.4	27	52	62	2.01	2.09	9	17	1.70	640
Low	8.2	24	59	60	2.20	2.13	14	14	1.18	160

Annual averages, all farms, weighted by acres of wheat:

1948	24.9	28	46	62	1.51	2.07	9	24	2.56	383
1947	28.0	28	38	72	1.20	2.45	10	42	4.35	963
1946	23.1	32	34	71	0.98	2.14	10	45	4.33	373
1945	22.2	33	37	59	0.93	1.63	12	31	2.63	510
1944	19.8	27	36	52	1.04	1.64	13	24	1.88	526

Factors from 6 BARLEY Accounts, 1948
(Arranged by acres of barley)

Farm number	Grain per farm acres	Yield per acre bu.	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	
146	18.0	31	37	31	1.22	1.00	6	2	0.28	-121
310	17.1	12	53	24	3.69	1.32	12	-19	-1.61	-493
211	8.0	--	25	--	--	--	3	-22	-8.09	-197
375	3.5	--	43	13	--	--	6	-23	-3.73	-105
171	3.0	13	24	14	1.70	1.00	6	-5	-0.89	-23
135	2.5	40	28	40	0.70	1.00	8	19	2.53	30
Annual averages, all farms, weighted by acres of grain:										
1948	8.7	17	40	22	2.09	1.07	7	-10	-1.33	-152
1947	15.4	16	29	29	1.73	1.74	6	5	0.84	1
1946	19.2	35	28	61	0.74	1.70	8	40	4.85	643
1945	12.7	22	30	31	1.29	1.37	9	9	1.00	24
1944	10.8	21	32	30	1.46	1.37	9	4	0.41	-20

Factors from 5 RYE Accounts, 1948
(Arranged by acres of rye)

Farm number	Grain per farm acres	Yield per acre bu.	Average per acre		Average per bushel		Labor per acre hours	Labor returns		Profit on enter- prise
			Cost	Returns	Cost	Value		Per acre	Per hour	
			\$	\$	\$	\$		\$	\$	\$
316	12.0	33	47	62	1.08	1.54	10	24	2.32	179
170	7.9	17	52	70	1.53	2.61	8	26	3.25	143
166	7.0	12	50	30	4.28	2.59	14	-4	-0.26	-137
174	6.0	21	44	37	1.53	1.20	6	-1	-0.11	-41
309	5.0	7	29	20	3.14	1.80	6	-5	-0.89	-47
Annual averages, all farms, weighted by acres of grain:										
1948	7.6	20	46	48	1.66	1.79	9	12	1.24	19
1947	11.7	22	47	56	1.95	2.32	11	19	1.74	95