FRUIT AND VEGETABLE CROPS

COSTS AND RETURNS

FROM

FARM COST ACCOUNTS

27 FARMS-1980 NEW YORK STATE

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REPORTS from FARM COST ACCOUNTS

27 Farms, 1980

Enterprise data from the 1980 New York Farm Cost Account Project have been published in the following reports. Additional copies may be obtained from County Extension offices or directly from the Department of Agricultural Economics, Cornell University, Ithaca, New York 14853-0398.

Overhead Costs	A.E.	Res.	81 - 22
Livestock Costs and Returns	A.E.	Res.	81-23
Field Crops Costs and Returns	A.E.	Res.	81-24
Fruit and Vegetable Crops Costs and Returns	A.E.	Res.	81-25

WESTERN NEW YORK

FRUIT AND VEGETABLE CROPS COSTS AND RETURNS, A.E. Res. 81-25

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INTRODUCTION

The New York Farm Cost Account Project is a research project which is a part of the Cornell Agricultural Management Information System (CAMIS). Since 1914 data have been published from detailed enterprise records kept by New York farmers in cooperation with the Department of Agricultural Economics at Cornell University. These publications provide College and field staff as well as farmers and others interested in agriculture with a continuous record of economic changes taking place on New York farms.

The farms are located in most of the farming areas of the State. They are generally well-managed, full-time, commercial farm businesses. They are representative of the "better" farms in New York.

The reports present the results for individual enterprises and the averages of the enterprise costs and returns for all farms. They show not only the averages of costs and returns but also indications of the variations and reasons for them. The factors for individual enterprises are arranged according to size of enterprise. The annual averages of the various factors are not averages of average costs but are weighted by the size of the enterprise.

Acknowledgements

The project was under the supervision of Darwin Snyder, who also did the field work necessary to complete the records. Editing and processing the data, closing the books, and the preparation of these reports was done by Barbara Wilcox and Florence Blodgett assisted by Oneta Shipe. Mary Chaffee typed and assembled the reports and assisted in processing the data.

The material on page 4 of this report was taken from A.E. Res. 81-10, Dairy Farm Management, Business Summary, New York, 1980, by Stuart F. Smith.

Special acknowledgement is due the group of farmers who are willing to keep the detailed records so essential to such a system of enterprise cost accounting. Without their continuing efforts and willingness to provide this information, this important and accurate source of real farm data would not exist.

COMMERCIAL FRUIT UTILIZED PRODUCTION New York and United States

		New Yo	ork			United	States	
	Average				Average			
Fruit	1969-73	1978	1979	1980	1969-73	1978	1979	1980
				thousar	nd tons			-
Apples	422	540	518	550	3,116	3,798	4,072	4,414
Sweet Cherries	5	4	4	5	12 9	157	182	172
Tart Cherries	16	. 9	14	15	131	91	85	109
Grapes	141	188	165	175	3,555	4,567	4,989	5,595
Peaches	9	8	3	7	1,455	1,326	1,475	1,537
Pears	16	19	18	18	668	723	855	894

Source: Non-Citrus Fruits and Nuts, 1980 Annual Summary; Midyear Supplement; FrNt 1-3(81); CRB, SRS, USDA.

New York continues to rank second in the nation for the production of apples, tart cherries and grapes. In 1980, New York ranked fourth in pear and fifth in sweet cherry production. Apple production for 1980 set records in New York and the nation. New York tart cherry production increased for the third consecutive year to the highest level since 1972. Sweet cherry production also increased for the third year in a row to the highest level since 1975. Grape production improved over 1979 and peach production increased significantly over the poor crop of 1979. The pear crop was down slightly from 1979. Nationally, grapes as well as apples, increased significantly over the 1979 production.

AVERAGE FARM PRICES OF FRUITS
New York and United States

		New Yo	ork		Ţ	Jnited S	States	
	Average				Average		- '	
Fruit	1969-73	1978	1979	1980	1969-73	1978	1979	1980
				dollars	per ton			
Apples:								
Fresh	180	270	350	360	154	278	308	242
Processed	65	103	103	86	63	117	114	82
All Sales	105	170	200	188	115	208	218	172
Sweet Cherries	271	543	447	450	352	688	601	552
Tart Cherries	204	858	924	382	209	8.76	944	404
Grapes	174	244	236	217	117	233	237	239
Peaches	214	370	444	470	133	240	. 232	248
Pears	131	205	182	215	120	219	204	196

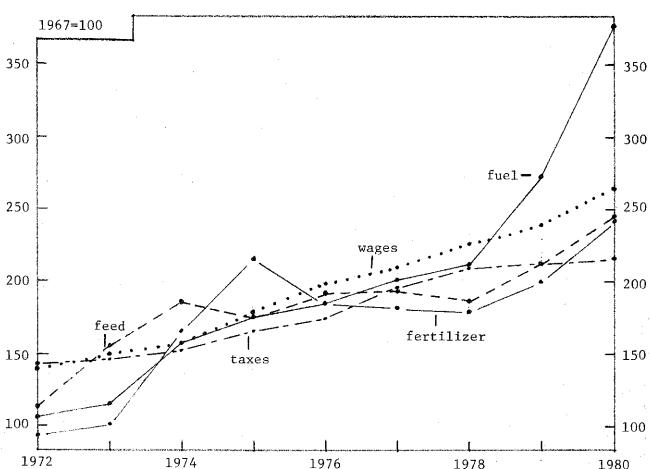
Source: Non-Citrus Fruits and Nuts, 1980 Annual Summary; Midyear Supplement; FrNt 1-3(81); CRB, SRS, USDA.

Although fresh apple prices increased somewhat in 1980, the large decrease in processed apple prices in New York resulted in the average price for all apples to be lower than for 1979 but still the second highest on record. U.S. apple prices were the lowest since 1976. Sweet cherry prices in New York for 1980 remained similar to 1979 but were well below prices in 1977 and 1978. Tart cherry prices declined dramatically from recent high levels and were the lowest since 1975. Prices for grapes also decreased in New York and remained steady for the U.S. Prices for both pears and peaches in New York rose to new highs for 1980.

VEGETABLES FOR PROCESSING AND FRESH MARKET Acreage, Yield and Value per Unit New York

	1980%	of U.S.	Acres	Harves	sted	Yiel	d per	Acre	Value	per	Unit
Crop	Total Pr	Total Production	[1979	1980	1978	1979	1980	1978	1 — 1	1980
		%	- 1,000	acre	- 8	1.	tons -			\$/ton -	
Processing vegetables:											
Beans, snap		16	51	94	94	2.1	2.3	2.4	150	161	169
Beets		32	5.0	5.0	3.8	15	16	17	70	37	43
Cabbage, kraut		40	4.0	3.4	3.4	21	25	25	30	30	32
Sweet corn		7	20	21	17	4.9	5.3	5.1	45	47	64
Peas		2	5.7	6.2	0.9	1.4	1.7	1.7	250	249	278
Fresh market vegetables:	**	%	- 1,000	0 acres	l w		- cwt -		1	\$/cwt -	
Beans, snap		œ	0.9	6.1	5.5	40	39	45	25.90	27.40	29.60
Cabbage - Summer,	L.I.	೮	9.0	0.8	0.7	247	270	240	9.70	8.27	10.40
	Upstate	10	1.0	1.0	1.5	438	355	320	7.21	5.58	8.71
- Fall,	L.I.	6	0.7	0.7	9.0	266	300	245	4.52	8.25	11.60
	Upstate	40	0.9	6.5	5.9	427	400	325	11.20	4.73	10.10
Carrots*		2	1.2	1.1	1.0	300	290	365	4.76	4.55	8.56
Cauliflower* - Sum	Summer	11	1.0	1.1	1.3	65	80	06	21.00	20.50	19.20
- Fall		11	1.6	1.9	1.9	100	105	110	17.10	15.60	20.20
Celery* - Summer		9	9.0	0.5	9.0	420	480	425	15.70	9.11	9.49
Cucumbers		9	2.5	2.7	3.2	105	115	110	11.40	12.10	10.40
Lettuce		T.	3.5	3.6	3.8	190	195	210	9.95	12.00	13.60
Onions*		13	13.9	14.6	14.3	310	330	310	7.85	7.85	15.10
Sweet corn		12	21	22	22	. 63	65	7.5	69.9	8.43	9.51
Tomatoes		2	3.0	3.0	3.2	110	130	130	20.20	25.40	28.60
tables,	1980, Annual	1 Summary; Vg	1-2(81);	CRB,	ESCS, U	USDA.					

* Includes data for both fresh market and processing crops. 0.0



PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1980

Prices of major farm inputs have all increased since 1972 but only wages paid by farmers have increased at a fairly constant rate. Feed prices rose 15 percent in 1980. Fertilizer prices increased 20 percent in 1980. Fuel prices jumped 29 percent in 1979 following four years of single digit increases and increased by 39 percent in 1980.

1976

1978

1980

Table 3. PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1980

		Inde	x 1967=100		
Year	Feed	Fertilizer	Fuel	Wages	Taxes
1972	112	94	108	140	142
1973	157	102	116	150	146
1974	185	167	159	160	154
1975	177	217	177	180	166
1976	192	185	187	199	176
1977	194	182	203	212	195
1978	186	180	212	229	210
1979	213	202	273	241	213
1980	245	242	380	264	216
Percent increase:					
(average per year)	13%	16%	22%	10%	8%
1979 to 1980	15%	20%	39%	9%	1%

SOURCE: USDA Agricultural Prices

Table 1. TEMPERATURE, PRECIPITATION AND GROWING SEASON Selected Stations, New York, 1941-70 and 1980

	Average temperatur May - Sept		P May - S	recipit	tation Total An	nua1	Length growi seaso	ng
Station		80	1941-70	1980	1941-70	1980	1947-67	1980
	degrees			inc	ches		day	<u>s</u>
Albany	$6\overline{5.7}$ 65	5.7	15.4	$17.\overline{3}$	33.4	32.6		169
Alfred	61.8 62	2.0	17.2	14.1	36.7	33.2	125	123
Aurora	64.6 64	5	13.8	15.6	40.0	31.7	160	170
Batavia	64.1 65	.2	15.3	17.8	32.6	31.5	154	156
Binghamton	63.3 64	.8	17.9	13.7	37.4	34.8	154	170
Canton	63.0 61	. 9	16.5	15.7	34.5	34.0	127	107
Glens Falls	63	3.4	17.8	11.0	39.3	26.1		136
Ithaca	63.8 63	3.6	17.2	13.1	34.8	31.4	145	136
Lowville	62.5 62	2.3	16.5	16.9	38.5	42.2	123	136
Utica	63.5 64	.1	18.1	15.1	40.6	36.1	157	170

^{*} Days between the last temperature of 32 degrees in the spring and the first in the fall.

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1980, Vol. 92, No. 13.

Weather is a factor to be considered when studying a farm business for a specific year. The growing conditions have a market effect on the crops for that year. It is for this reason that data are presented on the growing conditions for 1980 and for the period 1941-70.

The 1980 growing season in New York resulted in a good crop year with average season temperatures and somewhat less than average precipitation. Low moisture levels from a short snowfall during the winter were made up by above normal rainfall in March and early April. The most notable variations in weather during the growing season were abnormally warm, dry conditions in May and August. June and October were notably cooler than normal. Good planting conditions in May were followed by cool, wet weather during June. Fall harvest conditions were generally good throughout September and October.

Data in Tables 1 and 2 are presented for ten weather stations located throughout the State.

Table 2. GROWING SEASON RAINFALL
Selected Stations, New York, 1941-70 and 1980

	Ma	У	Jun	e	Ju1	У	Augus	st.	Septeml	er
Station	1941-70	1980	1941-70	1980	1941-70	1980	1941-70	1980	1941-70	1980
					inch	es				
Albany	3.26	1.05	3.00	4.90	3.12	2.69	2.87	6,45	3.12	2.24
Alfred	3.76	1.39	3.76	3.44	3.73	1.16	3.00	5.49	2.93	2.65
Aurora	2.98	1.03	2.54	5.63	3.03	3.24	2.81	2.85	2.46	2.87
Batavia	3.17	1.70	2.69	8.01	3.05	2.31	3.50	1.55	.2.87	4.23
Binghamton	3.83	1.54	3.59	5.68	3.83	2.09	3.61	1.58	3.02	2.81
Canton	3.37	0.93	2.91	2.22	3.43	4.43	3.47	3.35	3.31	4.78
Glens Falls	3.63	1.10	3.77	2.92	3.68	2.07	3.42	1.94	3.31	2.99
Ithaca	3.55	1.37	3.40	4.13	3.67	3.43	3.49	1.98	3.08	2.21
Lowville	3.42	1.98	2.94	3.89	3.26	6.42	3.58	1.07	3.31	3.49
Utica	3.52	1.37	3.55	4.56	4.17	5.26	3.54	1.47	3.32	2.41

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1980, Vol. 92, No. 13.

Y	IELDS F	OR (CROPS	AND	LIVESTO	CK
New York	State a	nd I	arm	Cost	Account	Averages

			New York	State*		Cost Account
Item	Unit	1957-61	1967-71	1979	1980	1980
Нау	tons	1.9	2.2	2.3	2.4	2.8
Corn silage	tons	11	14	13.0	14.5	14.6
Corn grain	bu.	57	85	85	93	99
0ats	bu.	52	60	62	64	
Wheat	bu.	32	39	41	40	50
Milk per cow	lbs.	7,914	10,361	11,746	12,026	15,894

^{*}Source: New York Agricultural Statistics, 1980; Crop Reporting Service, USDA.

FARM COST ACCOUNT SUMMARY, 1980

Crop Enterprises

		A		Hours		 	 	
	37 1	Average			T) - 1			D C*+
	Number	acres		of		n per	:	Profit
	of	per	Yield	labor	Hour	Dollar	Profit	on
	enter-	enter-	per	per	of	\mathbf{of}	per	enter-
Crop	prises	price	acre	acre*	labor	cost	acre	prise
					\$	\$	\$	\$
Forage:								
Hay	19	70	2.8 tn	7	0.02	0.81	- 38	-2,632
Hay crop silage	16	157	7.2 tn	4	5.82	1.00	- 1	- 152
Corn silage	18	122	14.6 tn	5	5.86	0.99	- 3	- 417
Grain:								
Corn for grain	6	55	100 bu	- 3	23.76	1.28	72	3,907
High moist. corn	n 14	144	3.6 tn	4	22.68	1.23	59	8,578
Oats								
Wheat	11	1:50	50 bu	2	22.46	1.21	35	5,236
Fruit:								
Apples	13	97	595 bu	94	5.52	0.91	-130	-12,544
Red tart cherries	s 8		8,171 1b		17.29	1.62	659	22,267

^{*} To grow and harvest the crop.

ENTERPRISE RATES OF RETURN

FARM COST ACCOUNT RECORDS, 1977-80

<u> </u>								
	Retur	n per h	our of	labor	Retur	per de	ollar o	cost
Enterprise	1977	1978	1979	1980	1977	1978	1979	1980
	\$	\$	\$	\$	\$	\$	\$	\$
Livestock:								
Dairy cows	5.07	9.01	10.77	10.64	1.03	1.13	1.15	1.11
Dairy heifers	-1.43	2.23	3.97	5.94	0.78	0.92	0.96	0.99
Forage:								
Hay	5.15	3.31	0.90	0.02	1.05	0.94	0.84	0.81
Hay crop silage	3.19	-2.52	0.39	5.82	0.96	0.79	0.87	1.00
Corn silage	6.73	4.46	9.05	5.86	1.07	0.98	1.07	0.99
Grain:		,						
Corn for grain	-0.99	0.00	5.12	23.76	0.87	0.92	1.00	1.28
High moisture corn	7.10	6.98	18.84	22.68	1.07	1.04	1.22	1.23
Oats	-17.76	-3.92	-18.35	NA	0.54	0.77	0.63	NA
Wheat	-2.13	-4.11	22.68	22.46	0.84	0.75	1.26	1.21
Fruits:				•		•		٠
Apples	8.72	7.61	7.39	5.52	1.36	1.19	1.07	0.91
Sweet cherries	7.32	7.45	NA	NA	1.23	1.29	NA	NA.
Red tart cherries	17.71	43.59	33.16	17.29	1.64	3.43	2.80	1.62

Fruit Crops - Western New York

Growing costs begin accumulating with trimming and mousebaiting, etc. after harvest of the previous year's crop. The "orchard or vineyard overhead" cost is based on the value of the land and improvements and includes depreciation, if any, maintenance, drainage, taxes and interest on the investment.

Harvesting costs include costs for the normal harvest activities as performed on each farm. Cost accumulation ceases when the crop is loaded on a truck for hauling off the farm or when the crop is placed in storage or a processing or marketing facility on the farm.

Storing and selling costs include the cost of hauling the crop to an off farm destination at harvest time. Custom packing and storage costs, if any, are included. Costs related to major CA storage facility and/or processing and marketing activities on the farm are excluded from the fruit enterprise. A wide range of post-harvest costs are included in these fruit enterprises.

Returns represent the amount the grower received for his crop when sold or the value when delivered to a farm marketing, processing or CA storage facility.

Most apple enterprises involve varying quantities marketed as fresh and processing fruit depending on market conditions. Cost and return allocation difficulties preclude any meaningful distinction between fresh and processing fruit.

APPLES COSTS AND RETURNS PER ACRE 1,252 ACRES ON 7 COST ACCOUNT FARMS, 1980

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^{*} ADVERTISING, CONTAINERS, COMMISSION, CUSTOM PACKING, STORAGE AND TRUCKING, AND EQUIPMENT RENTAL

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 13 ENTERPPISES OF APPLES 7 COST ACCOUNT FARMS, 1980 (ARRANGED BY ACRES OF FRUIT)

					·			
				PROD		AVER	AGF	
	ACRES	AVERAG	E	PER		PFR	ACRE	
FARM	PER	PER AC	RE	HR OF	SPRAY	PROD	TOTAL	TETAL
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	AC	₽U	HR	ВU	\$	\$	\$	\$
8 3 3	356.6	537	74	7 -	111	1,124	1,172	1,082
833	164.1	803 1	43	6	219	1.983	2.092	1.806
802	138.1	398	84	. 5	123	1,174	1 • 215	980
8 6 2	125.0	546	94	6	63	1,090	1.362	1,399
832	97.0	714 1	12	6	106	1 • 438	1.502	1.253
802	92.5	596	75	8	128	1.242	1,337	1,280
848	72.5	7 56 1	25	6	157	1,711	1,887	1,499
833	70.3	410	97	4	161	1+367	1 • 436	1.150
828	57.2	628	70	' 9	99	721	834	1 • 172
8 6 3	42.0	985 1	24	8	270	1,306	1,548	1,726
802	15.7	568	7.0	8	132	1,064	1,162	1,192
832	13.5	74	38	2	74	637	637	222
802	7.0	432	76	6	90	1,034	1,068	1,080
ANNUAL	AVERAG.	<u>ES- ALL EN</u>	JR:_	WEIGHTED_	PY ACRE	<u>\$</u>		
1980	96.7	595	94	6	133	1,300	1,401	1,271
1979	110.5	540	92	6	101	1,192	1,296	1,393
1978	108.4	529	88	6	85	969	1,062	1,262
1977	97.2	437	75	6	96	815	899	1,227
1976	69.3	459	73	6	95	819	945	1,253

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 13 ENTERPRISES OF APPLES 7 COST ACCOUNT FARMS, 1980 (READ ACROSS BOTH PAGES)

AVER	RAGE		VERAGE		RETURN			
PER	ACRELL	E	<u>PERBU</u>	ng anny diana mpantanta Albin	HOUR	\$	ON	
	LABOR	HARV	NE 1	[* *	0 F	OF		
PROEII_	RETURN	_COST_	COST	RETURN_	<u>LABOR</u>	<u>cosi</u>	PRISE_	<u> NO</u>
\$	\$	\$	\$.	\$	\$	\$	\$	
89=	459	0.96	2 . 18	2.01	6.16	0.92	32,377=	833
285-	819	1.21	2.61	2.25	5.52	0.86	47,054-	833
234-	410	1.65	3.02	2.43	4.82	0.81	32,514~	802
37	605	1.09	2.26	2.33	6.01	1.03	4,661	862
248*	363	0.91	2.06	1.71	3.23	0.83	24,119-	832
56-	533	0.90	2.17	2.08	6.88	0.96	5,257-	802
387≈	621	1.34	2.44	1.93	4.82	0.79	28 - 125 -	848
285-	413	1.27	3.50	2.81	4.16	0.80	20,057-	833
338	675	0.56	1.31	1.85	9.37	1.41	19,342	828
178	783	0.64	1.56	1.74	6.00	1.11	7,451	863
30	609	1.29	1.98	2.03	8.45	1.03	478	802
414-	236-	0.38	8.60	3.00	6.28-	0.35	5,597-	832
12	573	1.25	2.47	2.50	7.40	1.01	87	802
* 5 5144 # 1	AUCDACEO	ALL TO	NTD . HE	TOUTED	DV ACDES			
FINUAL	AVERAGES:	LALL.	MTKT-ME	TAUTER-	BY_ACRES.	-		
	- 2.6		0 01	0.00	r ro	0.01	10 5//	1980
130-	536	1.07		2.09	5.52	0.91	12,544-	
97	698	1.16	2.33	2.51	7.39	1.07	10,679	1979
200	688	0.96	1.94	2.32	7.61	1.19	21,553	1978
328	700	0.92	1.98	2.73	8.72	1.36	31,662	1977
308	682	0.84	1.95	2.63	8.63	1.33	21,274	1976

Sweet Cherries -

See Fruit Crop Notes on page 8.

SWEET CHERRIFS COSTS AND RETURNS PER ACRE 53 ACRES ON 3 COST ACCOUNT FARMS, 1980

	AVERAGE	PER ACRE
COSIS: GROWING:	********	. ~
LABOR 16 HR	- \$ 103	
LABOR 16 HR = = = = = = = = = = = = = = = = = =	» 89	
TRUCK, EQUIP, CUSTOM WORK, EQ RENT -	- 35	
ORCHARD OR VINEYARD OVERHEAD	123	
FERTILIZER	» 39	
SPRAY. DUST MATERIALS	- 181	
INTEREST	24	
ALL OTHER was a second as a second	140	
TOTAL GROWING COSTS	* · · · · · · · · · · · · · · · · · · ·	730
HARVESTING:		
LABOR 106 HR	- 554	
TRACTOR, TRUCK	- 11	
EQUIPMENT	- 85	
CUSTOM WCRK, EQUIP RENT	- 0	
ALL OTHER	- 70	-
TOTAL HARVESTING COSTS		721
TOTAL PRODUCTION COSTS	tan .	\$ 1,45
STORING AND SELLING: .		•
LABOR 8 HR	- 56	
TRACTOR, TRUCK, EQUIP	. 1Q	
BUILDING USE	• n	
DIRECT SELLING COSTS *	- 174	
ALL OTHER	- 61	
TOTAL STORING AND SELLING COSTS	•	31
TOTAL COSTS		\$ 1,76
REIURNS:	•	
retange	e 1.037	
CROP = YIELD: 7,576 LB = = = = = = = = = = = = = = = = = =	• • • • • • • • • • • • • • • • • • •	
TOTAL RETURNS	•	\$ 1483
, or all meroning		4 1400
PROFIT:	•	\$ 7
, 	AVA	RAGE
OTHER FACTORS: COST PER LB TO: GROW	***************************************	0.10
HARVEST	Ð	0.09
STORE AND SELL		0.04
NET** COST PER LB		0.21
NET** RETURN PER LB		0.22
PROFIT PER LB		0.01
LABOR RETURN PER ACRE	\$	785
PRODUCTION PER HOUR OF LABOR		62 LB
RETURN PER HOUR OF LABOR	\$	6.03
WEIGHT FER HOUR OF EMBOR	4	
RETURN PER DOLLAR OF COST		1.04

^{*} ADVERTISING, CONTAINERS, COMMISSION, CUSTOM PACKING, STORAGE AND TRUCKING, AND EQUIPMENT RENTAL

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 5 ENTERPRISES OF SWEET CHERRIES 3 COST ACCOUNT FARMS, 1980 (ARRANGED BY ACRES OF FRUIT)

	ACRES	AVEF	RAGE	PROD PER	ion — Pira — — — Pira Marie	AVER PER	AGE ACRE	
FARM	PER	_PER		HR OF	SPRAY	PROD	TOTAL	TOTAL
NO	ENTR	YIELD		LABOR	<u> cosi</u>	<u>cosi*</u>	cosi	REIURN
	AC	LB	HR	LB	\$	\$.	\$
833	20.9	10,202	203	50	105	1,939	2,587	2,985
833	19.5	6,381	43	150	27 9	1,174	1,286	1,139
848	5, . 5	6 • 218	182	34	137	1,430	1,527	1,533
833	4.2	2,461	26	97	75	539	56 8	335
802	3.2	6,759	99	68	296	1.254	1,313	1,089
ANNUAL	AVERAG	ES- ALL	ENIR: 1	EIGHIED	_EY_ACRE	S		
1980	11.1	7,576	111	62	181	1,456	1,766	1,837
1979				NOT AVE	RAGED			
1978	17.5	4,937	95	52	108	912	940	1,208
1977	14.1	2,707	34	78	50	479	500	616
1976	11.6	2,512	41	61	88	555	574	339

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 5 ENTERPRISES OF SWEET CHERRIES 3 COST ACCOUNT FARMS. 1980 (READ ACROSS BOTH PAGES)

AVE	RAGE		AVERAGE		RETURN	N PER	PROFIT	
	ACRE		PER_LB		HOUR	\$	ON	
	LABOR	HARV	NE	T**	OF	0F	ENTER -	FARM
	RETURN	<u>ccst</u>	<u>cost</u>	REIURN_	LABOR	COSI	<u> PRISE</u>	NO_
\$	\$	\$	\$	\$	\$	\$	\$	
398	1,559	0.11	0.21	0.25	7.23	1.15	8,315	833
146-	179	0.06	0.20	0.18	3.63	0.89	2,873-	833
6	874	0.17	0.25	0.25	4.70	1.00	32	848
232-	48=	0.04	0.23	0.14	1.73-	0.59	978-	833
223-	369	0.05	0.19	0.16	3.63	0.83	715-	802
ANNUAL	AVERAGES-	ALL FI	VTR: WF	IGHTED F	BY ACRES			
	CT PF FF T			***			er e	:
71	785	0.09	0.21	0.22	6.03	1.04	756	1980
		. 	1	NOT AVERA	GED			1979
268	720	0.10	0.19	0.24	7.45	1.29	4,567	1978
116	266	0.08	0.18	0.23	7.32	1.23	1,579	1977
235-	41-	0.09	0.23	0.13	0.98-	0.59	2,614-	1976

Red Tart Cherries -

See Fruit Crop notes on page 8.

RED TART CHERRIES COSTS AND RETURNS PER ACRE 270 ACRES ON 5 COST ACCOUNT FARMS: 1980

		I	TE	M																						es. op.		ERA	GE	PE	R	ACR
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^{*} ADVERTISING, CONTAINERS, COMMISSION, CUSTOM PACKING, STORAGE AND TRUCKING, AND EQUIPMENT RENTAL

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 8 ENTERPRISES OF RED TART CHERRIES
5 COST ACCOUNT FARMS, 1980
(ARRANGED BY ACRES OF FRUIT)

	······································			PROD		AVER	AGE	
	ACRES	AVER	AGE	PER		PER		
FARM	PER	<u>PER</u>	ACRE	HR OF	SPRAY		TOTAL	TCTAL
NO	ENIR	XIELD_	LABOR*	LABOR_	_COSI_	_COSI*	COSI_	_REIURN
	AC	LE	HR	LB	\$	\$. \$	\$
832	68.8	7,965	5 6	143	111	947	1,036	1,849
833	68.8	9,281	69	133	58	906	1,058	1,533
802	39.0	3,715	58	64	73.	1,069	1,151	1,124
833	34.3	10,511	25	411	156	964	1,160	1.858
802	32.7	9,163	40	230	130	781	900	2,352
802	12.1	8,314	27	309	106	5 1 18	633	2,165
848	8.5	9,220	177	52	151	1,963	2,094	2,012
8 6 3	6.0	6,230	7	934	99	560	610	825
ANNUAL	_AVERAG	<u>ES-ALL</u>	ENIR:	<u>WEIGHTED</u>	BY ACE	<u> </u>		
1980	34.2	8,171	55	148	101	940	1,063	1,722
1979	32.0	6,396	66	96	83	941	1,049	2,941
1978	32.3	5,715	47	121	69	684	785	2,697
1977	23.5	3,082	24	128	65	483	531	874
1976	27.4	3,768	29	130	44	510	546	1,045

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 8 ENTERPRISES OF RED TART CHERRIES
5 COST ACCOUNT FARMS, 1980
(READ ACROSS BOTH PAGES)

							00-00-10-10-10-40-40-01-01-01-01-01-01-01-0	
AVE	RAGE		VERAGE		_REIUR	N_PER	PROFIT	4
<u>PER</u>	ACRE	E	PER LB		HOUR	\$	ON	
·	LABOR	HARV	NE	T # #	0F	0F	ENTER -	FARM
PROFIT	RETURN	COST	COST	RETURN	_LABOR_	_cosi_	PRISE	_NQ_
\$	\$	\$	\$	\$	\$	\$	\$	
813	1 100	0.05	0 17	6 07	46 67	4 70	FF 643	0.7. 0
	1,109	0.05	0.13	0.23	19.83	1.78	55,947	832
475	852	0.05	0.11	0.16	12.09	1.45	32,661	833
26-	413	0.15	0.31	0.30	6.90	0.98	1,033-	802
698	877	0.03	0.11	0.17	32.32	1.60	23,949	833
1,452	1,666	0.04	0.10	0.26	38.90	2.61	47,471	802
1 +532	1,698	0.03	0.08	0.26	54.65	3.42	18,548	802
81-	894	0.14	0.23	0.22	4.88	0.96	699-	848
215	268	0.05	0.10	0.13	33.52	1.35	1,290	863
ANNHAL	AVERAGES.	a All ER	ITD: UE	TOUTED	DV ACDEC			
	CT PT CT TF F.			171177-	67-47 D	-		
659	982	0.05	0.13	0.21	17.29	1.62	22,267	1980
1,892	2,240	0.08	0.16	0.46	33.16	2.80	59,734	1979
1,912	2,136	0.06	0.14	0.47	43.59	3.43	60,880	1978
343	449	0.06	0.17	0.28	17.71	1.64	7,878	1977
499	641	0.06	0.14	0.28	21.18	1.91	13,462	1976
433	041	0.00	0.14	U. ZO	ZI.IO	T • 2T	13,402	19/0

FACTORS FROM OTHER FRUIT ENTERPRISES COST ACCOUNT FARMS, 1980 (ARRANGED BY ACRES OF FRUIT)

				PROD		AVERA	GE	
	ACRES	AVERA		PER		PER_A	CRE	TOTAL
FARM	PER		CRE	HR CF LABOR	SPRAY COST	PROD _COSI*_	TOTAL _COSI	REIURN
_NO	LENIR	_YIELD_L TN	ABOR*- HR	TN	⊼⊼⊽⊤	<u></u> \$	<u>2221</u> \$	\$
GRAPES	A C	<i>*</i>	••••					·
802 863	11.8 7.5	4 • 3 4 • 7	63 46	0.07 0.10	. 0 104	734 744	8 0 7 744	560 1 • 275
PEACHE	S_							
8 3 3 8 0 2	34.7 5.6	154 51	129 59	1 · 1	151 51	1 • 464	1,750 644	1,780 371
828	4.0	70	56	ī	44	514	604	584
PEARS								
833 833	30.6 10.0	270 261	109 81	2	127 251	1,138 1,209	1,162 1,255	551 1,091
PRUNE	S						,	
802	7.0	154	26	6	57	565	581	614

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM OTHER FRUIT ENTERPRISES COST ACCOUNT FARMS, 1980 (READ ACROSS BOTH PAGES)

AVER PER PER EROEII	ACRE LABOR	HARV	AVERAGE PERIN NE COSI\$	I * *	RETURN PER HOUR \$ OF OF LABOR COSI	PROFIT ON ENTER- FARM PRISE NO
GRAPES						
246 - 531	92 735	10 52		114 273	1.45 0.69 15.84 1.71	2,909- 8 0 2 3,980 863
PEACHES					the state of the state of	
30	871		8.85	9.04 7.20	6.56 1.02 0.16= 0.58	1 ¢ 0 4 1 8 3 3 1
272 - 19-	9 ~ 240	2 • 8 4 0 • 5 3	12.52 7.32	7.03	4.32 0.97	81- 828
PEARS						
610- 163-	41 350	1.49 1.69	4.31 4.82	2•04 4•19	0.37 0.47 4.30 0.87	18,687- 833 1,640- 833
. •					•	
		·				•
PRUNES						
33	259	1.55	3 . 79	4.00	9.70 1.06	230 8 0 2

FACTORS FROM VEGETABLE CROP ENTERPRISES COST ACCOUNT FARMS, 1980 (ARRANGED BY ACRES OF CROP)

				PROD		AVER	AGE	
	ACRES	AVER	AGE	PER		PER	ACRE	. — — — — — — —
FARM	PER	PER	ACRE	HR OF	GROW	HARV	TOTAL	TOTAL
<u>NO</u>	<u>ENTR</u>	YIELD_	LABOR*	<u>LABOR</u>	<u> </u>	COST	COSI**	RETURN
	AC	UNIT	HR	UNIT	\$	\$	\$	\$
SNAP	BEANS- PRO	nr nr						a · · ·
O IVA	DERIC TIC	IN		IN				
827	2020.0	2.0	5	0 • 4	230	50	301	34.4
848	741.5	2 • 4	4	9.6	254	57	341	419
864	592.9	3.2	3	1.0	244	97	390	545
863	123.0	2 • 4	7	8.3	3118	77	404	436
TABLE	E BEETS	w 3		- M				
827	336.0	<u>IN</u> 16.7	10	<u>IN</u> 1.7	349	166	679	689
CABB	AGE- MKT							
A E A	. 7. 0	IL_		IN	704	4.0	1 510	• •• • •
864	87.2	18.7	29	0.7	724	42		1,704
827	46.0	21.1	73	0.3	633	520	1,803	2,565
8 63 8 2 8	40.0 11.9	17.1 12.5	84 66	0•2 0•2	1,161 402	293 286	1.657 1.048	1.109 2.479
,		- 2						
CABB	AGE- PROC	,		_				
7	4.05. 0	IN	. .	IN	E 0.7	4 . 7	0.00	
827	105.0	24.5	43	0.6	587 623	163 220	8 9 9 955	807 848
848	18.0	26.9	37	0.7	623	220	, ,	840
. CARR	ots.							·
CARRE		IN		<u>T</u> N				
827	240.0	14.1	16	<u>IN</u> 0•9	422	187	774	939
			đ					
CUCUI	MBERS- MKT	p I :		DH				
848	22.0	<u>80</u> 350	83	<u>BU</u> 4	331	563	933	677

^{*} TO GROW AND HARVEST THE CROP

^{**} INCLUDES STORING AND SELLING COSTS

^{***} VALUE OF BY-PRODUCTS, IF ANY, DEDUCTED (RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)

FACTORS FROM VEGETABLE CROP ENTERPRISES COST ACCOUNT FARMS, 1980 (READ ACROSS BOTH PAGES)

AVERAGE PER ACRE		AVERAGE PER UNIT * * *		<u>RETUR</u> Hour	<u>N PEK</u> \$	PROFIT						
	LABOR	NET	NET	0F	of	ON ENTER-	FARM					
PROFIT	the state of the s	COST	RETURN_	LABOR	_COST	PRISE	NO_					
\$	**************************************	<u>- *</u> \$		z _ <u>z</u> x	 \$							
•	*											
SNAP BEANS - PROC												
			IN_				=					
43	83	151	172	16.42	1.14	86,859	827					
78 155	116 180	144 124	177 173	26.25 41.09	1.23 1.40	58,158 92,018	8 48 864					
32	38	165	178	11.57	1.08	3,893	863					
52	G C	160	110	11001	1600	3 9 6 9 3	000					
TABLE B	EETS											
			IN			_						
10	127	41	4 1	8.61	1.01	3,241	827					
CABBAGE	- MKT	•		4								
THEONOL		PER	TN									
192	56 9	81	91	8 • 65	1.13	16,753	864					
762	1,541	8 6	122	15.75	1.42	35,072	827					
548-	106-	97	65	1.15-	0.67	21,916-	863					
1,431	1,761	84	198	24.94	2.36	17,021	828					
CABBAGE	- DDGC			•								
CADDAGE	- FROC	PFR	JN									
92-	287	37	33	6.02	0.90	9,706-	827					
107-	225	36	32	5.56	0.89	1,911-	848					
							-					
CARROTS	5	DED	T & i									
165	333	55	IN 67	15.79	1.01	39,632	827					
163	333	55	61	13913	1941	396632	021					
				*.								
CUCUMBERS- MKT												
			<u> BU</u>		.		n					
256-	246	2 +67	1.93	2 • 86	0.73	5 , 634 -	848					

FACTORS FROM VEGETABLE CROP ENTERPRISES COST ACCOUNT FARMS. 1980 (ARRANGED BY ACRES OF CROP)

				PROD		AVERAGE		
	ACRES AVERAGE		PER					
FARM	PER	_PEB	ACRE	HR OF	GROW	HARV	TOTAL	TOTAL
<u>NO</u>	ENTR	YIELD	LABOR*	LABOR	COSI	COST	<u>cosi**</u>	<u> PETURN</u>
	AC	UNIT	HR	UNIT	\$	\$	\$	\$
PEAS-	PROC	71		** ***				
007	327.0	<u>I №</u> 0 • 4	5	<u>IN</u> 0.1	226	79	317	21 0
8 36	44.3	1.6	1	1.3	178	154	367	561
5.90		180		1.00	110	101	007	501
POTAT	OES - MKT			611				
827	5 • 0	<u>СИ</u> 246	28	<u>CW</u> 9	815	334	3,018	2,174
POTATO	DES- PROC	<u>C W</u>		<u>C W</u>				ı
827	170.0	294	28	10	814	358	1,477	1,658
SWEET	CORN- PR			**				
0.6.6	7.4.6.0	11	2	<u>IN</u> 1•5	1.6.4	39	262	283
864 1 0 5	346.0 70.0	4•1 2•7	2 .	1.1	164 185	31	262	283 1 88
836	70.0 38.0	4.2	1	3.0	146	32	208	290
835	Ja•0	7 # 4			170	32	2 U A	47V

^{*} TO GROW AND HARVEST THE CROP

^{**} INCLUDES STORING AND SELLING COSTS

^{***} VALUE OF BY-PRODUCTS. IF ANY. DEDUCTED

(RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)