FRUIT AND VEGETABLE CROPS

COSTS AND RETURNS

FROM

FARM COST ACCOUNTS

28 FARMS-1981 NEW YORK STATE

Darwin P. Snyder

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

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REPORTS from FARM COST ACCOUNTS

28 Farms, 1981

Enterprise data from the 1981 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.	82-33
Livestock Costs and Returns	A.E.	Res.	82-34
Field Crops Costs and Returns	A.E.	Res.	82-35
Fruit and Vegetable Crops Costs and Returns	A.E.	Res.	82-36

WESTERN NEW YORK

FRUIT AND VEGETABLE CROPS COSTS AND RETURNS, A.E. Res. 82-36

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INTRODUCTION

The New York Farm Cost Account Project is a research project which serves as a means of obtaining primary cost data for enterprises common on New York farms. It provides data on labor requirements and costs, machinery costs, and production costs for crop and livestock enterprises. The data is 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 provide an indication of economic factors experienced by some of the "better" farmers in New York.

The reports present the results of individual enterprises and the averages of the enterprise costs and returns for all farms. They show not only the averages of cost 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 assisted in processing the data.

The material on page 4 of this report was taken from A.E. Res. 82-24, Dairy Farm Management Business Summary, New York, 1981, 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 Yor	k			United S	tates	
	Aver	age			Aver	age		
Fruit	1969-73	1976-80	1980	1981	1969-73	1976-80	1980	1981
				thous	and tons -	-		
Apples	422	494	550	400	3,116	3,765	4,414	3,823
Sweet Cherries	5	3	5	2	129	165	164	154
Tart Cherries	16	10	1.5	4	131	93	113	69
Grapes	141	161	175	150	3,555	4,708	5,595	4,458
Peaches	9	6	7	5	1,455	1,417	1,540	1,394
Pears	16	16	21	17	668	816	897	892

Source: Non-Citrus Fruits and Nuts, 1981 Annual Summary; Midyear Supplement; FrNt 1-3(82); CRB, SRS, USDA.

Fruit crop production in New York suffered in 1981 due primarily to unfavorable weather conditions in the spring. While maintaining its second place rank in the nation for apple production, New York had the smallest crop of apples since 1973. Production of the other major fruit crops in the State also suffered, especially cherries. Tart cherry production was the lowest in over a decade, if not on record. Sweet cherry production was the lowest since 1977. Production for both grapes and peaches was below average. The pear crop was the only fruit crop in the State with a normal crop. Nationally, production for all six of these fruit crops was down from the previous year, but production for only cherries and grapes was significantly below normal.

AVERAGE FARM PRICES OF FRUITS New York and United States

		New Yor	k			United St	ates	
	Aver	age			Aver	age		
Fruit	1969-73	1976-80	1980	1981	1969-73	1976-80	1980	1981
		d	ollars	per to	on			
Apples:					* *			:
Fresh	180	302	360	420	154	266	242	312
Processed	65	100	86	127	63	109	84	106
All Sales	105	178	188	224	115	198	172	216
Sweet Cherries	271	477	450	621	352	544	649	771
Tart Cherries	204	649	3 82	902	209	663	404	890
Grapes	174	222	218	248	117	212	239	297
Peaches	214	395	470	472	133	222	248	266
Pears	131	195	222	219	120	178	196	186

Source: Non-Citrus Fruits and Nuts, 1981 Annual Summary; Midyear Supplement; FrNt 1-3(82); CRB, SRS, USDA.

Prices for fresh apples in New York were the highest on record in 1981. Processing apples brought the highest prices since 1973. The result was a record average price for all apples produced in the State. The U.S. fresh apple price was also a record. New York prices for sweet cherries and peaches also set new records. Prices for New York tart cherries, grapes, and pears were the second highest on record. As far as U.S. prices are concerned, sweet cherries, grapes, and peaches reached new highs and tart cherries were second only to record high prices in 1979. The U.S. pear price has declined each year since 1977.

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

Crop	1981 % of U.S. Total Production	Acres 1979	Harvested 1980 19	ted 1981	Yiel 1979	Yield per A 79 1980	Acre 1981	Va1 1979	Value per Unit 79 1980 19	Unit 1981
	%	- 1,000	00 acres	<u> </u>	**	tons	ŀ	ł	\$ per t	ton
Processing vegetables:										
Beans, snap	14	46	46	39	2.3	2.4	2.5	161	169	185
Sweet corn	4	21	17	21	5.3	5.1	4.7	47	67	62
Peas	2	6.2	0.9	7.8	1.7	1.7	1.9	249	278	317
	%	- 1,0	1,000 acres	ια 	}	cwt.	1		\$ per c	cwt
Fresh market vegetables:						٠				
Carrots*	2	1.1	1.0	1.1	290	365	355	4.55	8.56	9.58
Cauliflower* - L.I.	5	1.5	1.5	1.9	90	104	135	18.70	20.20	26.00
- Upstate	4	1.5	1.7	1.7	102	100	120	15.70	19.50	20.10
Celery*	2	9*0	0.7	0.7	468	425	465	9.03	9.32	13.20
Lettuce	1	3.6	3.8	3.8	195	210	195	12.00	13.60	18.10
Onions*	11	14.6	14.3	14.3	330	310	275	7.85	15.10	14.70
Sweet corn	11	22	22	22	65	75	71	8.42	9.51	10.80
Tomatoes	2	3.0	3.2	3.2	130	130	135	25.40	28.60	27.40

Source: Vegetables, 1981, Annual Summary; Vg 1-2(82); CRB, ESCS, USDA.

^{*}Includes data for both fresh market and processing crops.

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

	<u>. </u>		Index	1977=100		······································
Year	Feed	Fert.	Fuel & Energy	Wage Rates	Taxes	Interest
1972	57	52	54	63	- 75	46
1973	86	56	57	69	77	54
1974	104	92	79	79	81	65
1975	100	120	' 88	85	87	76
1976	103	102	93	93	94	87
1977	100	100	100	100	100	100
1978	98	100	105	107	100	118
1979	110	108	137	117	107	144
1980	123	134	188	127	114	179
1981	134	144	213	136	124	195

SOURCE: USDA Agricultural Prices

The prices dairyfarmers pay for a given quantity of goods and services has a major influence on farm production costs. The astute manager will keep close taps on unit costs and substitute the most economical goods and services for those that are too expensive.

Table 3 shows the unit cost indexes of selected goods and services used on New York dairy farms. The changes in feed prices, fuels and energy costs, and wage rates between years are illustrated in Chart 3.

Chart 3. ANNUAL CHANGES IN PRICES OF THREE MAJOR PRODUCTION ITEMS U.S. Dairy Farms, 1975-1981 % change 45 45 Feed 40 40 Fuels & Energy 35 35 Wage Rates 30 30 25 25 20 20 15 15 10 10 5 5 0 0 -5 -5 -10-10

Although all three major cost items have increased since 1975. Feed prices have been through a cycle, fuel and energy costs show the greatest increases, and wage rates have increased at a relatively slow but constant rate.

Growing Conditions

Table 1. TEMPERATURE, PRECIPITATION, AND GROWING SEASON Selected Stations, New York, 1941-70 and 1981

	Avera	0	T)	rooini	tation		Length growi	
	tempera					1	seaso	-
		ept.		ept.	Total An			
Station	1941-70	1981	1941-70	1981	1941-70	1981	1947-67	1981
	degre	es		inc	hes		day	rs
Albany	65.7	64.4	15.4	13.9	33.4	30.4		133
Alfred	61.8	60.8	17.2	19.3	36.7	49.8	125	132
Aurora	64.6	63.3	13.8	21.1	40.0	37.7	160	134
Batavia	64.1	64.4	15.3		32.6	39.8	154	159
Binghamton	63.3	63.6	17.9	12.7	37.4	30.3	154	156
Canton	63.0	62.0	16.5	20.2	34.5	34.7	127	133
Glens Falls		64.1	17.8	17.8	39.3	30.4		134
Ithaca	63.8	62.7	17.2	17.0	34.8	39.1	145	133
Lowville	62.5	60.7	16.5		38.5	37.6	123	133
Utica	63.5	63.8	18.1	23.3	40.6	41.9	157	135

^{*}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, 1981, Vol. 93, No. 13.

Weather is a factor to be considered when studying a farm business for specific year. The growing conditions have a marked effect on the crops for that year. It is for this reason that data are presented on the growing conditions for 1981 and for the period 1941-70.

The 1981 growing season, generally, produced good crops although the harvest season, particularly September, was cool and wet. Variability was a key word to describe both temperatures and precipitation in most parts of the State throughout the season. Table 2 illustrates weather stations which show conditions that deviated significantly from the average.

Data in Tables 1 and 2 are presented for 10 weather stations located throughout the State.

Table 2. GROWING SEASON RAINFALL Selected Stations, New York, 1941-70 and 1981

	Ma	У	Jun	e	Ju1	у	Augu	st	Septem	ber
	1941-70	1981	1941-70	1981	1941-70	1981	1941-70	1981	1941-70	1981
		······································			inc	hes				
Albany	3.26	2.44	3.00	2.78	$3.\overline{12}$	3.50	2.87	1.76	3.12	3.45
Alfred	3.76	2.55	3.76	3.52	3.73	6.53	3.00	1.70	2.93	4.96
Aurora	2.98	1.95	2.54	3.82	3.03	4.07	2.81	4.34	2.46	6.95
Batavia	3.17		2.69		3.05	3.20	3.50	5.07	2.87	5.67
Binghamton	3.83	1.94	3.59	3.42	3.83	1.99	3.61	1.99	3.02	3.40
Canton	3.37	2.90	2.91	3.88	3.43	2.27	3.47	5.23	3.31	5.93
Glens Falls	3.63	2.81	3.77	2.47	3.68	3.81	3.42	2.35	3.31	6.40
Ithaca	3.55	1.78	3.40	2.57	3.67	4.03	3.49	3.63	3.08	4.98
Lowville	3.42	2.98	2.94	3.20	3.26	5.11	3.58		3.31	5.27
Utica	3.52	2.01	3.55	3.42	4.17	4.06	3.54	2.75	3.32	11.09

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1981, Vol. 93, No. 13.

	YIELDS FO	R CROPS AND	LIVESTOCK
New Yor	k State an	d Farm Cost	Account Averages

		New York State*								
Item	Unit	1957-61	1967-71	1977-81	1981	1981				
Hay, Alfalfa mix.	tons	2.2	2.6	2.7	2.7	3.2				
Corn silage	tons	11	14	14	14.5	16.0				
Corn grain	bu •	57	-85	90	93	93				
Oats	bu•	52	60	60	64					
Wheat	bu •	32	39	40	44	56				
Milk per cow	lbs.	7,914	10,361	11,742	12,265	15,493				

^{*}Source: New York Agricultural Statistics, 1981; Crop Reporting Service, USDA.

FARM COST ACCOUNT SUMMARY, 1981 Crop Enterprises

								
	Number	Average acres		Hours of	Pote			Profit
Chan	of enter-	per enter-	Yield per	labor per	Hour of	Dollar of	Profit per	on enter-
Crop	prises	prise	acre	acre*	labor	cost	acre	prise
Forage:		•						
Hay	18	52	3.2 tn	. 7	1.70	0.86	-32	-1,710
Hay crop silage	18	149	7.9 tn	. 4	2.79	0.94	-14	-2,129
Corn silage	20	111	16.0 tn	. 5	5.97	0.99	- 5	- 556
Grain:			•					
Corn for grain	9	82	93 bu	. 3	-12.79	0.77	-70	-5,778
High moist. corn	ı 21	126	3.6 tn	. 4	-0.45	0.92	-23	-2,819
Wheat	11	146	56 bu	. 2	15.26	1.10	17	2,509
Fruit:				-				
Apples	12	99	406 bu	. 84	8.97	1.13	191	18,721
Red tart cherrie	s 7	38	2,815 1b	. 37	13.76	1.35	291	11,008

^{*}To grow and harvest the crop.

ENTERPRISE RATES OF RETURN

া ১৯৪৭ - ১৯৪৭ ১৯৫১ ১৯৫১ জন্ম জন্ম করে। ১০১৮ চন ক্ষেত্র স্থান করে।	FARM CO	ST ACCO	UNT REC	ORDS, 19	78-81 - 19	read See And Ore	Janos) Mand Joh	\$\\\ #
	Retur	n per h	our of	lahor	Return	mer de	oblar of	cost
Enterprise	1978	1979	1980	1981	1978	1979	1980	1981
	•	,	•	\$	•	\$	\$	\$
Livestock: 1 12 12 12 12 12 12 12 12 12 12 12 12 1		100	1.18 July 1.18	yser Māri ts	31 - 41 mg.	ម ភូគីខុនិង	医原体管 。	
Dairy cows	9.01	10.77	10.64	7, 89	1.13	1.15	1.11	1.04
Dairy heifers	2.23	3,97	5.94	0.25	, 0.92 ₌	0.96	0.99	0.87
Forage:								
Hay have the production	3.31	0.90	0.02	1.70	0.94	0.84	0.81	0.86
Hay crop silage	-2.52	0.39	5.82	2.79	0.79	0.87	1.00	0.94
Corn silage	4.46	9.05	5.86	5.97	0.98	1.07	0.99	0.99
Grain:								
Corn for grain	0.00	5.12	23.76	-12.79	0.92	1.00	1.28	0.77
High moisture corn	6.98	18.84	22.68	0.45	1.04	1.22	1.23	0.92
Oats	-3.92	-18.35	NA	NA	0.77	0.63	NA	NA
Wheat	-4.11	22.68	22.46	15.26	0.75	1.26	1.21	1.10
Fruits:	er i s	1944	the later	13660 唐s. [27	Santa qui	95000	整态,现在是1975	
Apples	7.61	7.39	5.52	8.97	1.19	1.07	0.91	1.13
Sweet cherries	7.45	NA	NA	NA	1.29		NA	
Red tart cherries	43.59	33.16	17.29	13.76	3.43	2.80	1.62	1.35

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 at harvest time 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 1,179 ACRES ON 6 COST ACCOUNT FARMS, 1981

ITEM	:	AVERAGE	PER	ACRE
CCSIS: GRCWING:				
1 4 0 0 0	33 HR	\$ 204		
TRACTO	OR 7 HR	42		
TRUCK	, EQUIP, CUSTOM WORK, EQ RENT			
	RD GR VINEYARD OVERHEAD	133		
	LIZER	39		
	DUST MATERIALS	157		:-
	EST	26		
	EST	110		
	TAL GROWING COSTS			768
HARVESTI			4	
	51 HR	363		
TRACTI	OR, TRUCK	39		
EQUIP		106		
	M WORK, EQUIP RENT	2		
ALL C		53		
	TAL HARVESTING COSTS	,,,		563
	TAL PRODUCTION COSTS		\$	1,331
			ф	т, ЭЭж
	AND SELLING:	15		
LABOR				
	OR, TRUCK, EQUIP	29		
BUILD	ING USE	2		
DIREC	T SELLING COSTS *	36		-
ALL C		21		
TO	TAL STORING AND SELLING CCSTS			103
TCTAL CO	STS		\$	1,434
REIURNS:				
CROP - Y	IELD: 406 BU	\$ 1,625		
01.01				
OTHER RE		· U		
OTHER RE		0	.	1.625
OTHER RE TOTAL RE		. 0	\$	1,625
TOTAL RE		. 0	\$ \$	
TOTAL RE	TURNS			191
PROFIL:	TURNS	A V E	\$ RAGE	191
PROFIL:	TURNS	AVE	\$ RAGE 	191
PROFIL:	TURNS	A V E	\$ RAGE 1.89	191
PROFII: OTHER FACTORS:	TURNS	A V E	\$ RAGE 1.89 1.39 0.26	
PROFIL: OTHER FACTORS:	TURNS	AVE	\$ RAGE 1.89 1.39 0.26	191
PROFII: OTHER FACTORS:	TURNS	AVE	\$ RAGE 1.89 1.39 0.26 3.45 3.92	191
PROFII: OTHER FACTORS:	TURNS	AVE	\$ RAGE 1.89 1.39 0.26	191
PROFII: OTHER FACTORS:	TURNS	A V E \$	\$ RAGE 1.89 1.39 0.26 3.45 3.92	191
PROFIL: OTHER FACTORS:	TURNS	A V E \$	\$ RAGE 1.89 1.39 0.26 3.45 3.92 0.47	191
PROFII: OTHER FACTORS:	TURNS	A V E	\$ RAGE 1.89 1.39 0.26 3.45 3.92 0.47	191 BU

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

^{**} DIRECT SELLING CCSTS DEDUCTED

FACTORS FROM 12 ENTERPRISES OF APPLES
6 COST ACCOUNT FARMS, 1981
(ARRANGED BY ACRES OF FRUIT)

				7000				
	ACRES	AVER	ACE	PROD		AVER		
FARM	PER			PER		<u>PER</u>		
NO	ENIR	_PER		HR CF	SPRAY		TOTAL	TOTAL
-40	AC		LABOR*	_LABOR	_cosi_	COST*	CQST	_REIURN
	AL	BU	HR	BU	. \$	\$	\$	\$
833	294.6	382	65	6	157	1 200	1 200	
833	157.9	398	104	4	197	1,302	1,399	1,587
802	138.1	362	93	4		1,744	1,816	1,768
862	125.0	406	94		147	1,202	1,218	1,422
848	94.5	488	83	4	68	1,053	1,447	1,861
832	93.0	464		6	205	1,582	1,702	1,787
802	92.5		83	6	183	1,432	1,508	1,502
833	90.3	596	93	6	172	1,321	1,355	2,207
828		200	101	2	129	1,394	1,435	1,194
	57.2	480	64	7	152	778	866	1,318
802	15.7	543	102	5	235	1,360	1,373	1,841
832	13.5	77	17	5	133	727	726	308
802	7.0	403	58	7	150	871	888	1,611
ANNUAL	AVERAGE	S-ALL	ENIR: W	EIGHTEC_	BY ACRE	ς.		
					# T-0 % T. P	s 34.		
1981	98.7	406	84	5	157	1,331	1,434	1,625
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		
1977	97.2	437	75	6	96	969 815	1,062 899	1,262 1,227

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 12 ENTERPRISES OF APPLES
6 CCST ACCOUNT FARMS, 1981
(READ ACROSS BOTH PAGES)

ΔVF	RAGE		VERAGE		REIURI	V PFR	PROFIT	
	ACRE		ER BU		HOUR	\$	ON	
	LABOR	HARV	NET	**	OF	OF	ENTER-	FARM
PROFII	RETURN	_cost	_CCST_R		LABOR	COST	PRISE_	<u>NO</u>
\$	\$	\$	\$	\$. \$	\$	\$	
	•							
188	669	1.51	3.60	4.09	10.05	1.13	55,276	833
47-	712	1.79	4.51	4.39	6.69	0.97	7,677-	
204	826	1.45	3.35	3.92	8.79	1.17	28,258	802
414	956	1.33	3.13	4.15	9.71	1.29	51,728	862
85	861	1.51	3.45	3.62	10.07	1.05	8,021	848
5	503	1.27	3.15	3.14	6.02	1.00	594-	
852	•	0.96	2.25	3.68	15.59	1.63	78,814	
240-	417	1.69	7.10	5.89	4.07	0.83	21,780-	
452	739		1.78	2.72	11.43	1.52	25,833	828
468	1,209	1.24	2.53	3.39	11.86		7,350	802
417-	316-	1.64	9.43	4.00	18.75-		5,646-	
723	1,136	1.32	2.20	4.00	19.11	1.82	5,066	802
ANINITAL	A VEDACES		ITD . LIET	CHIEN	DV ACDEC			
ANNOAL !	AVERAGES-		TD3 TRE3	7011 77	BT ⁻ B Z V P 3	-		
1 91	772	1.39	3.45	3.92	8.97	1.13	18,721	1981
130-	536	1.07	2.31	2.09	5.52	0.91	12,544-	1980
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

Sweet Cherries -

See Fruit Crop Notes on page 8.

FACTORS FROM 4 ENTERPRISES OF SWEET CHERRIES 3 COST ACCOUNT FARMS, 1981 (ARRANGED BY ACRES OF FRUIT)

FARM	ACRES		RAGE	PROD PER			AGE ACRE	
	PER		ACRE	HR OF	SPRAY	PROD	TOTAL	TOTAL
-70	ENIR_		LABOR*	<u>LABOR</u>	_COSI_	COSI*	COST_	REIURN
	ΑC	LB	h R	LB	\$	\$	\$	\$
833	20.9	3,141	47	6 6	146	1,074	1,108	722
833	10.5	3,897	- 30	128	159	794	831	794
848	4.5	5,540	177	31	202	1,538	1,634	1,419
802	3.2	4,238	115	37	215	1,424	1,440	749
ANNUAL	_AVERAGE	SALL_	ENIR: N	EIGHIED_	BY_ACR	E <u>S</u>		
1981			Ν	IGT AVERA	GED			
1980 1979	11.1	7,576	122 N	62 OT AVERAGE	181	1,456	1,766	1,837
1978	17.5	49,37	95	52	108	912	940	1,208
1977	14.1	2,707	34	78	50	479	500	616

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 4 ENTERPRISES OF SWEET CHERRIES 3 COST ACCOUNT FARMS, 1981 (READ ACROSS BOTH PAGES)

	RAGE ACRE		VERAGE ER LB		REIUB!	N_PER \$	PROFIT ON	
	LABOR	HARV		[**	OF	OF	ENTER-	FARM
<u>PROFIT</u>	<u>RETURN</u>	<u> </u>	<u>cosi_i</u>	<u>return.</u>	<u>LABOR</u>	<u>cost</u>	<u> PRISE</u>	_NQ_
\$	\$	\$	\$	\$	\$	\$	\$	
38 5 -	94-	0.09	0.35	0.23	2.00-	0.65	8,079-	833
36-	155	0.02	0.21	0.20	5.08	0.96	391-	833
214-	847	0.18	0.29	0.26	4.68	0.87	967-	848
690-	113	0.21	0.34	0.18	0.99	0.52	2,209-	802
ANNUAL	AVERAGES-	_ALL_ED	IR:_WE	IGHIED_	BY_ACRES	_		
			NOT	AVERAG	ED			1981
71	785	0.09	0.21	0.22	6.03	1.04	756	1 9 80 1979
260	720	0.10	NOT 0.19	AVERAGE 0.24	D 7.45	1.29	4,567	1979
268	720			0.24	7.32	1.23	1,579	1977
116	266	0.08	0.18	0.23	1.32	1.43	Д.	T2//

Red Tart Cherries -

See Fruit Crop notes on page 8.

RED TART CHERRIES COSTS AND RETURNS PER ACRE 264 ACRES ON 4 COST ACCOUNT FARMS, 1981

	ITEM		AVERAGE	PER	ACRE
osts:	CCCS INC .				
. 34 75 75 75 75 75	LABOR	18 HR	\$ 101		
	TRACTI	3R 6 HR	33		
	TRUCK	, EQUIP, CUSTOM WORK, EQ RENT RD OR VINEYARD OVERHEAD	42		
	ORCHA	RD OR VINEYARD OVERHEAD	154		
			/. /		
	INTER	EST	16		
	ALL C	THER	82		
	T 0	TAL GROWING COSTS			56
	LINDVESTI	NG:			
			115		
	TRACT	19 HR	8		
	ECHIE	MENT	75		
	CHCIO	W WORK, EQUIP RENT	. 6		
	00310	THER	21		
	ALL C	TAL HARVESTING COSTS	21		22
	10	TAL PRODUCTION COSTS		\$	78
	IU	INT AKARACTION COSTS = = =		•	10
	STORING	AND SELLING:	8		
	LABCR	1 HR	14		
	TRACT	OR, TRUCK, EQUIP	14		
			U		
	DIREC	4 CCITIO CC516 X =	2		
	All (THFR	22		
	TC	TAL STORING AND SELLING COSTS			4
	TCTAL CO	SIS		\$	83
	. .				
REIURAS	\$ <u>:</u>	IELD: 2,815 LB TURNS	\$ 1.124		
	CRUP - Y	TELU: 2,010 LB	0		
	OTHER RE	TURNS	V	\$	1,12
	TOTAL RE	TURNS		4	1710
PBQEII:	<u> </u>			\$	29
				ERAGE	
		COST PER LB TO: GROW	\$	0.20)
UIDEK	FACIUNS.	HARVEST		0.08	
		STORE AND SELL		0.02	
		NET** COST PER LB		0.30	
				0.40	
		NET ** RETURN PER LB		0.10	
		PROFIT PER LB			
		LABOR RETURN PER ACRE	\$	516	
		PRODUCTION PER HOUR OF LABOR		78	B LB
		RETURN PER HOUR OF LABOR	\$	13.76 1.35	

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

^{**} DIRECT SELLING CCSTS DEDUCTED

FACTORS FROM 7 ENTERPRISES OF RED TART CHERRIES 4 COST ACCOUNT FARMS, 1981 (ARRANGED BY ACRES OF FRUIT)

			~~~~~			- 42		
				PROD		AVERA	4GE	
	ACRES	AVER	AGE	PER		PER/	ACRE	
FARM	PER	_PER	ACRE	HR OF	SPRAY	PROD	TOTAL	TOTAL
_NO	ENIR	_YIELD_	LABOR*	_LABCR_	COSI_	COSI*_	COSI	BETURN
	AC	LB	HR	LB	\$	\$	\$	\$
-								
832	79.5	4	13	G	45	555	558	2
833	58.5	2,770	43	65	140	887	971	918
802	40.7	4,930	44	112	85	774	809	2,303
833	39.3	6,090	46	135	107	1,051	1,161	2,019
802	25 <b>.7</b>	2,744	44	62	67	866	891	1,565
802	12.1	3,337	25	132	46	416	440	1,578
848	8.5	3,612	124	2.9	125	1,378	1,428	1,286
ANNUAL	_AVERAGE	S=_ALL_	ENIR: L	EIGHIED.	_BY_ACBI	<u> </u>		
1981	38.2	2,815	37	78	86	786	833	1,124
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

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 7 ENTERPRISES OF RED TART CHERRIES 4 COST ACCOUNT FARMS, 1981 (READ ACROSS BOTH PAGES)

	RAGE		AVERAGE		<u> BEIUR</u>	<u>N_PER</u>	PROFIT	
PER	ACRE		<u>PER_LB</u>		HOUR	\$	ON	
	LABOR	HARV	NE	<u> </u>	OF	OF	ENTER-	FARM
PROEIT_	<u>RETURN</u>	<u>COSI_</u>	CCSI_	REIURN_	LABOR	_COST	PRISE	NO
\$	\$	\$	\$	\$	\$	\$	\$	Weine init discuss
555 <del>-</del>	480-	0.09	127.57	0.47	37.06-	0.00	44,230-	832
53–	222	0.10	0.35	0.33	4.99	.95	3,114-	833
I,494	1,747	0.06	0.16	0.47	38.24	2.85	60,794	802
858	1,155	0.06	0.19	0.33	24.47	1.74	33,719	833
674	938	0.11	0.32	0.57	20.53	1.76	17,322	802
1,138	1,279	0.06	0.13	0.47	48.22	3.59	13,768	802
141-	659	0.20	0.39	0.35	5.23	0.90	1,204-	848
A SIBILI A I	VED 4 0 5 0							
ANNOAL A	AERAPE?	- ALL L	NIR: WE	IGHIED !	BY_ACRES	<del></del>		
291	516	0.08	0,30	0.40	13,76	1,35	11,008	1001
659	982	0.05	0.13	0.40	17.29	1.62	•	1981
1,892	2,240	0.08	0.16	0.46	33.16		22,267	1980
1,912	2,136	0.06	0.14			2.80	59,734	1979
343	449			0.47	43.59	3.43	60,880	1978
740	449	0.06	0.17	0.28	17.71	1.64	7,878	1977

# FACTORS FROM OTHER FRUIT ENTERPRISES COST ACCOUNT FARMS, 1981 (ARRANGED BY ACRES OF FRUIT)

into ampains the team wife	ACRES	AVER		PROD PER	96. *00/ *07/ *03/s *03/s *03/s *03/s	AVER		104, 400 USD *12 100 *100 ID-
FARM	PER	PER		HR OF	SPRAY	PROD	TOTAL	TOTAL
_NQ	LENIR_	_YIELQ_	LABOR*	LABOR	LZQSI	COSI*	COSI.	REIURN
	AC	TN	HŘ	TN	\$	\$.	\$	\$ .
GRAPES								
802	11.8	4.6	95	0.05	49	1,146	1,235	967
					·			
PEACHES	S							
833	34.7	132	128	1	138	1,516	1,667	1,370
802	9.0	32	42	1	124	679	679	246
8 28	4.0	56	69	1	25	591	660	497
				•				
PEARS	,	-						
833	30.6	215	27	8	1.4.1	720	34.0	0.00
833	10.0	174	54	3	141 135	739 936	760 984	826 670
,								
	•							
PRUNES								
802			_					
002	7.0	41	9	4	79	427	427	199

^{*} TO GROW AND HARVEST THE CROP

^{**} DIRECT SELLING COSTS DEDUCTED

# FACTORS FROM OTHER FRUIT ENTERPRISES COST ACCOUNT FARMS, 1981 (READ ACROSS BOTH PAGES)

			,, E-i E-i					
AVER			AVERAGE		REIUE		PROFIT ON	
	ACRE LABOR	HARV	PERLLIN Ne	I ± ±	HOUR OF	\$ 0F	ENTER-	FARM
PROFIL		COST	COST	RETURN_	LABOR	<u> </u>	PRISE_	_NO_
\$	\$:	\$	\$	\$	\$	\$	\$	
GRAPES /								
			•					
267-	209	43	252	193	2.19	0.78	3,173-	802
	•							
•						, '		
PEACHES								
				<del>-</del>				
296 <del>-</del>		3.60		10.32	4.00 5.32-	0.82	10,314- 3,892-	833 802
432 <del>-</del> 163-		4.24		7.62 7.69	2.04		654-	828
	- ' -		2000				• *	,
							· .	
				•			•	
PEARS							•	
			_				.⁺	
66 313-	237 40	0.85 1.06	3.52 5.62	3.82 3.82	8.48 0.70	1.09 0.68	2,009	833
2.2	••	1.00	7.02	3.02	0.10	0.00	3,142-	833
•								
•							•	
PRUNES								
227-	167-	1.30	10.31	4 - 80	18-04-	.0.47	1,598-	802
<del>-</del> -	•				10.04-	U 6 77 f	T 4 7 2 0	002

# FACTORS FROM VEGETABLE CROP ENTERPRISES COST ACCOUNT FARMS, 1981 (ARRANGED BY ACRES OF CROP)

	ACRES	AVER		PROD		AVER		
FARM	PER	_PER		PER HR CF	GROW	<u>PER</u> HARV	TOTAL	TOTAL
_NO	ENIR		LABOR*	_LABOR	COST	_COST_	_COST**	RETURN
	AC	UNIT	HR	UNIT	<del></del>	. <u></u> \$	<u>- 2021</u> \$	\$
					•			•
CNAD	DEARC DO	cc					4	
SNAP	BEANS- PR	IN		ΙN				
827	1945.5	2.0	5	0.5	264	52	339	387
848	802.0	2.3	4	0.5	286	63	380	442
864	570.4	1.9	4	0.5	314	96	437	356
TABLE	BEETS					•	•	* *
0.0.7		IN		ZL				
82 <b>7</b>	266.C	22.4	13	1.8	379	220	789	852
CARRA	GE- MKT							•
	1111	ΙN		IN		•		
864	118.3	3.3	35	0.1	757	142	1,024	269
828	21.0	6.2	72	0.1	532	455	1,118	355
827	20.0	17.4	82	0.2	631	590	2,039	2,060
CABBA	GE- PRCC	:						
0.37	133 0	, IN		ΔL				
827 848	122.0 19.0	17.5 16.3	46 46	0 • 4 0 • 4	565	218	894	655
040	19.0	10.5	40	0.4	895	234	1,169	569
CARRO	TS							
		IN		IV		*		
827	177.0	19.5	22	0.9	543	247	1,000	1,003
	-			2				
PEAS-	PRCC							
027	405.0	IN		NI	303	3 / 5	, ,	
	405.0	1.7 1.1	1		287		474 374	
			* .			+12	717	300

^{*} 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, 1981 (READ ACROSS BOTH PAGES)

AVER			RAGE		N PER	PROFIT	
<u>PER</u>	LABOR	LEELL NET	NET NET	HOUR OF	\$ 0F	ON ENTER-	FARM
PROEIL		coși	<u>REIURN</u>	LABOR_	_cost	PRISE	NO_
\$	\$	\$	\$	\$	\$	\$	
SNAP BE	ANS- PROC		•				
			IN·				J
48	88	171	195	18.37	1.14	94,182	827
62 81-	107 54-	163 230	190 188	21.80	1.16	49,987	848
01-	54-	230	100	12.88-	0.82	45,959 <del>-</del>	864
TABLE B	EETS						
63	223	PER. 35	IN 38	11.47	1 00	16,822	827
03	227	رر	ن کر	110T1	1.000	10,022	021
CABBAGE	- MKT	PER_	TN				
755-	514-	313	82	11.30-	0.26	89,325-	864
763-	433-	181	57	5.81-		16,024-	828
21	869	118	119	8.41	1.01	407	827
CABBAGE	- PROC		-				
239	174		IN	3 44	0.73	29,228-	007
600-	222-	51 <b>7</b> 2	37 35	3.46 4.69-		11,399-	827 848
CARROTS							
2	251		LIN _E ,	0 22	1 00	C -37 -7	007
3	231	51	21	8.32	1.00	577	827
PEAS- P	ROC						
171	254		IN	24 02	3 . 3 /	(0.00)	007
171 8-	254 4	274 344	373 336	3.31	0.98	69,094 324-	

### FACTORS FROM VEGETABLE CROP ENTERPRISES COST ACCOUNT FARMS, 1981 (ARRANGED BY ACRES OF CROP)

, 1970 vider eldévelen Azer 18	ACRES	AVERAGE		PROD PER	AVERAGE PER_ACRE			
FARM NO	PER ENTR	PER_4	ABOR*	HR CF LABCR	GROW COST	HARV COST	TOTAL COST**	TOTAL RETURN
ರಾಯ ಕೊಡ್ಡು ವ್ಯಾಪ್ ಪರ್ಣ ಕು	AC	UNIT	HR	UNIT	and the second s	- A A A A A A A A A A A A A A A A A A A		\$
PCTATI	CES- MKT							
827	16.3	⊊b 413	25	C b 16	938	276	2,637	2,110
			•	÷				
PGTATGES- PRCC								
827	167.7	<u>C</u> W 262	25	10 10	1,014	296	1,627	959
SWEET	CORN- PR			78° & 1				
105	73.0	IN 4.0	2 1	IN 1.8	200	36 27	240 249	232 222
836	29.4	2.8	<u> </u>	2.C	192	<i>L1</i>	447	

^{*} TC GROW AND HARVEST THE CRCP

^{**} INCLUDES STORING AND SELLING COSTS

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

# FACTORS FROM VEGETABLE CROP ENTERPRISES COST ACCOUNT FARMS, 1981 (READ ACROSS BOTH PAGES)

AVERAGE PERACRE	AVERAGE _PER_UNIT***	RETURN PER	PROFIT ON				
LABOR PROFIT RETURN \$ \$	NET NET COSTRETURN \$ \$	OF OF LABOR COST \$ \$	ENTER- PRISE \$	FARM NO_			
*	* *	•	4				
POTATOES- MKT	PERCW						
527- 98	6.38 5.11	1.29 0.80	8,578-	827			
	·						
POTATOES- PROC	DED CH						
668- 379-	PERCW 6.20 3.66	10.79- 0.59	112,072-	827			
SWEET CORN- PROC							
8- 4	<u>PERIN</u> 60 58	1.80 0.97	590-	105			
27- 3-	89 80	1.49- 0.89	801-	836			