FIELD CROPS

COSTS AND RETURNS

FROM

FARM COST ACCOUNTS

27 FARMS-1978

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REPORTS from FARM COST ACCOUNTS

27 Farms, 1978

Enterprise data from the 1978 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.

Overhead Costs	A.E.	Res.	79-21
Livestock Costs and Returns	A.E.	Res.	79-22
Field Crops Costs and Returns	A.E.	Res.	79-23
Fruit and Vegetable Crops Costs and Returns	A.E.	Res.	79-24

FIELD CROPS COSTS AND RETURNS, A.E. Res. 79-23

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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 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

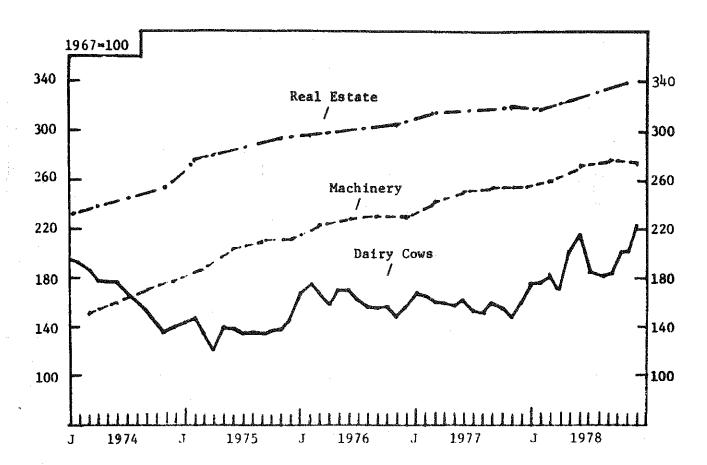
The project was under the supervision of Darwin Snyder, who also did the field work necessary to complete the records. Editing and processing the data, closing the books, and the preparation of these reports was done by Barbara Wilcox and Florence Blodgett assisted by Oneta Shipe. Mary Chaffee typed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

The material on pages 2, 3, and 4 of this report was taken from A.E. Res. 79-6, Dairy Farm Management, Business Summary, New York, 1978 by C. A. Bratton.

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.

Prices

VALUE OF N.Y. FARM REAL ESTATE, DAIRY COWS & MACHINERY 1974-1978

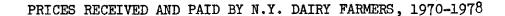


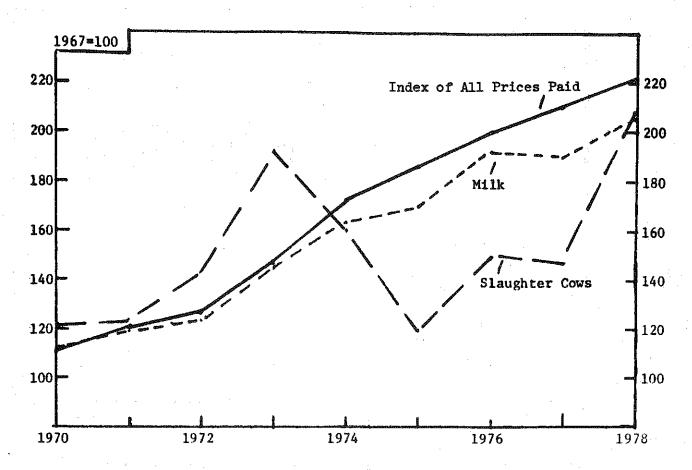
Price changes affect the inventory values on New York dairy farms. Real estate and machinery prices have risen steadily during the past five years. Dairy cow prices peaked in January 1974 but dropped sharply during the year, rose gradually during 1975, 1976 and 1977 and then jumped 39 percent in 1978. Dairy cow prices continued upward in 1979 and were reported at \$1,000 for April, or 45 percent above the December 1978 price. From 1967 to 1978, real estate values increased 239 percent, machinery prices 176 percent, and dairy cows 123 percent.

Table 1. REPORTED VALUES OF DAIRY FARM INVENTORY ITEMS, 1974-1978

	N.Y. Dair	y Cows	Machinery	N.Y. Farm Re	al Estate	
Year*	Value/Head	1967=100	1967=100	Value/Acre	1967=100	
	- > > -				25.	
1974	(Dec.) \$435	140	(Dec.) \$185	(Nov.) \$472	254	
1975	(Dec.) 450	145	(Dec.) 222	(Nov.) 543	294	
1976	(Dec.) 485	156	(Dec.) 233	(Nov.) 562	304	
1977	(Dec.) 495	160	(Dec.) 253	(Nov.) 593	320	
1978	(Dec.) 690	223	(Dec.) 276	(Nov.) 629	339	
Percent change:				•		
1974 to 1975	+ 4%		+20%	+16%		
1975 to 1976	+ 8%		+ 5%	+ 3%		
1976 to 1977	+ 3%		+ 9%	+ 5%		
1977 to 1978	+39%		+ 9%	+ 6%		

^{*} Latest figure reported for year, i.e., November for real estate.

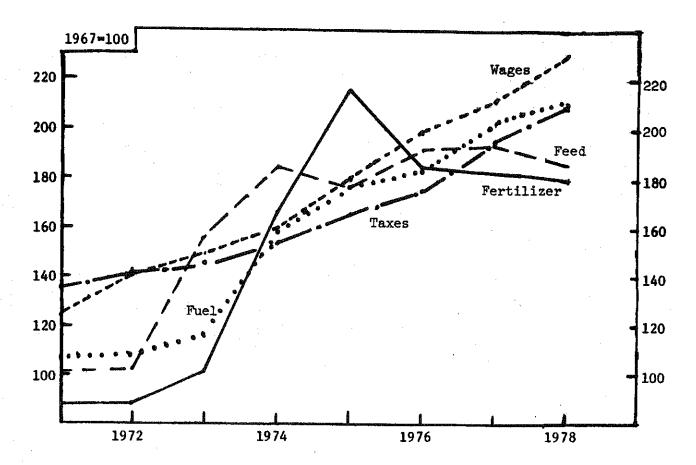




The relationship of prices received to prices paid determines the general level of farm incomes. The graph above shows the trend in prices since 1970 for milk, cull cows, and the index of prices paid by New York dairy farmers. Since 1971, milk prices have lagged behind all prices paid. Milk and slaughter cow prices dropped slightly in 1977 then rose sharply in 1978. In 1978, prices paid rose 5 percent, milk 8 percent, and slaughter cows 42 percent. The price situation for dairy farmers was more favorable in 1978 than in 1977.

Table 2. PRICES RECEIVED AND PAID BY NEW YORK DAIRY FARMERS, 1967-1978

	Milk	Slaughter	Prices Paid by	Monthly Farm	Price Per
Year	3.5% B.F.	Cows	N.Y. Dairy Farmers	100 Lbs. of 1	<u>4i1k, 1978</u>
1967	(cwt.) \$5.07	(cwt.) \$17.10	(1967=100) 100	January	\$ 9.82
1970 1971 1972 1973 1974	5.89 6.02 6.25 7.30 8.24	20.70 21.20 24.48 32.80 27.40	112 120 126 146 172	February March April May June	9.87 9.65 9.60 9.55 9.60 10.16
1975 1976 1977 1978	8.64 9.71 9.61 10.38	20.60 25.57 25.09 35.58	186 200 210 221	July August September October November December	10.84 11.12 11.45 11.54 11.42



Since 1972, all prices paid by New York dairy farmers have risen but some more than others. Fertilizer and motor fuel prices jumped sharply in 1974 and 1975, then fertilizer dropped in 1976. Feed and fertilizer have held relatively steady since 1976, while wages, fuel, and taxes have continued to rise. Fuel, wages and taxes have more than doubled since 1967 (table 3).

Table 3. PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1978

	Index 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	211	229	210					
Percent increase:		•								
1972 to 1978 (av.)	11%	15%	16%	11%	8%					
1976 to 1977	1%	-2%	9%	7%	11%					
1977 to 1978	-4%	-1%	4%	8%	8%					

SOURCE: U.S.D.A. - Agricultural Prices.

Table 1. TEMPERATURE, PRECIPITATION AND GROWING SEASON Selected Stations, 1941-70 and 1978

	Avera tempera	-		Precipi	tation		Length of growing		
	May - S	ept.	May - S	May - Sept.		Total Annual		n*	
•	1941-70	1978	1941-70	1978	1941-70	1978	1947-67	1978	
	degre	es		inc		days			
Albany	65.7	63.5	15.4	15.5	33.4	33.5		145	
Alfred	61.8	61.3	17.2	15.4	36.7	35.7	125	145	
Aurora	64.6	63.7	13.8	16.7	40.0	35.0	160	166	
Batavia	64.1	65.3	15.3	13.9	32.6	30 .3	154	158	
Binghamton	63.3	63.7	17.9	14.7	37.4	34.3	154	161	
Canton	63.0	62.0	16.5	14.0	34.5	31.7	127	129	
Glens Falls	and 160 600	63.6	17.8	22.3	39.3	44.0		129	
Ithaca	63.8	62.4	17.2	13.1	34.8	32.0	145	145	
Lowville	62.5	62.6	16.5	14.3	38.5	38.7	123	129	
Utica	63.5	64.7	18.1	16.4	40.6	36.9	157	145	

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, 1978, Vol. 90, No. 13.

Weather is a factor to be considered when studying a farm business for a 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 1978 and for the period 1941-70.

Average temperatures during the May through September growing season were about normal in 1978. Most weather stations indicated a longer than normal growing season. Rainfall for the growing season tended to be below normal in most areas especially during the first half or planting season. More normal rainfall well dispersed throughout the fall along with an abnormally long season resulted in as ideal a harvesting season in 1978 as one could special order.

Data are presented for ten weather stations. Rainfall is reported by months for the growing season (Table 2).

Table 2. GROWING SEASON RAINFALL Selected Stations, 1941-70 and 1978

<u></u>	Ma	ay	Jur	ne	Ju	у	August		September	
Station	1941-7	1978	1941-70	1978	1941-70	1978	1941-70	0 1978	1941-7	<u>0 1978</u>
					incl	nes				
Albany	3.32	1.96	3.00	4.60	3.12	4.04	2.87	3.06	3.12	1.87
Alfred	3.76	3.81	3.76	2.34	3.73	2.83	3.00	3.85	2.93	2.52
Aurora	2.98	2.18	2.54	4.41	3.03	1.85	2.81	4.68	2.46	3.55
Batavia	3.17	2.67	2.69	1.84	3.05	2.23	3.50	2.57	2.87	4.62
Binghamton	3.83	2.55	3.59	3.85	3.83	2.54	3.61	4.61	3.02	1.16
Canton	3.37	1.88	2.91	2.97	3.43	1.73	3.47	5.11	3.31	2.28
Glens Falls	3.63	2.57	3.77	7.60	3.68	4.92	3.42	4.39	3.31	2.79
Ithaca	3.55	1.91	3.40	2.64	3.67	2.33	3.49	4.25	3.08	1.94
Lowville	3.42	2.27	2.94	2.55	3,26	2.27	3.58	2.94	3.31	4.23
Utica Co.	3.52	1.86	3.55	4.59	4.17	3.16	3.54	2.22	3.32	4.61

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1978, Vol. 90, No. 13.

YIELDS FOR CROPS AND LIVESTOCK
New York State and Farm Cost Account Averages

· · · · · · · · · · · · · · · · · · ·		Cost Account				
<u>Item</u>	Unit	1957-61	1967-71	1977	1978	1978
Hay	tons	1.9	2.2	2.0	2.1	2.2
Corn silage	tons	11	14	13.0	13.0	12.3
Corn grain	bu.	57	85	80	79	92
Oats	bu.	52	60	53	59	66
Wheat	bu.	32	39	39	35	30
Milk per cow	lbs.	7,914	10,361	11,190	11,360	15,051

*Source: Crop Production, 1978 Annual Summary; Crop Reporting Board, U.S.D.A.

NY Economic Handbook, 1979; Department of Agricultural Economics, Cornell
University, Ithaca, N.Y.; A.E. Ext. 78-37, December 1978.

FARM COST ACCOUNT SUMMARY, 1978

Crop Enterprises

	Number	Avera acre	S	Hours of	Retur	n per	······································	Profit
	of	per	Yield	labor	Hour	Dollar	Profit	on
	enter-	enter-	- per	per	of	of	per	enter-
Crop	_prises	prise	acre	acre*	labor	cost	acre	prise
_					\$	\$	\$	\$
Forage:								
Hay	19	76	22 tn	5	3.31	0.94	-8	- 569
Hay crop silage	17	137	4.9 tn	\overline{l}_{L}	-2.52	0.79	-31	-4,290
Corn silage	20	123	12.3 tn	5	4.46	0.98	- 5	-566
Grain:								
Corn for grain	8	153	92 bu	3	0.00	0.92	-17	-2,721
High moist. corn	12	119	3.5 tn	Ĭ,	6.98	1.04	8	1,005
Oats	9	45	66 bu	3	-3.92	0.77	- 25	-1, 118
Wheat	10	42	30 bu	4	-4.11	0.75	-36	-1,110 -1,520
Fruit:								
Apples	12	108	529 bu	88	7.61	1.19	200	21,553
Sweet cherries	5	17	4,937 lb	95	7.45	1.29	268	4,567
Red tart cherries	8	32	5,715 1b	47	43.59		1,912	60,880

^{*} To grow and harvest the crop.

ENTERPRISE RATES OF RETURN

FARM COST ACCOUNT RECORDS, 1975-78

	Retur	n per h	our of	labor	Return	per do	ollar of	cost
Enterprise	1975	1976	1977	1978	1975	1976	1977	1978
	\$	\$	\$	\$	\$	\$	\$	\$
Livestock:								
Dairy cows	6.29	6.73	5.07	9.01	1.09	1.10	1.03	1.13
Forage:								1
Hay	5.36	4.90	5.15	3.31	1.11	1.05	1.05	0.94
Hay crop silage	9.48	6.79	3.19	-2. 52	1.19	1.09	0.96	0.79
Corn silage	7.92	5.10	6.73	4.46	1.11	1.03	1.07	0.98
Grain:			·			•	- 0-	
Corn for grain	5.02	-0.32	-0.99	0.00	1.02	0.91	0.87	0.92
High moisture corn	12.52	5.80		6.98	1.16	1.04	1.07	1.04
Oats	5.16	-3.44	-17.76	-3.92	1.06	0.80	0.54	0.77
Wheat	19.13	- 0.23	-2.13	-4.11	1.34	0.88	0.84	0.75
Fruit:				_				
Apples	1.15	8.63	8.72	7.61	0.72	1.33	1.36	1.19
Sweet cherries	4.64	-0.98	7.32	7.45	1.15	0.59	1.23	1.29
Red tart cherries	4.85	21.18	17.71	43.59	1.06	1.91	1.64	3.43

Hay -

Hay enterprises deal only with that portion of the hay crop harvested as dry hay. Efforts are made to separate the costs related to dry hay production and those for hay crop silage. The hay crop is normally harvested more than once and, on most dairy farms, the harvest will include both dry hay and hay crop silage - sometimes on the same field the same day. Estimates are made to determine a reasonable allocation of production and acres to both enterprises.

Growing costs include only those costs related to an established hay crop. Costs to establish new seedings are not included except as seeding costs are amortized over the life of the stand. This year's share of those costs are shown as "seed" costs.

Harvesting costs include costs for the obvious harvesting activities plus costs to place the crop in farm storage or on a truck if sold at harvest time.

Storing and selling costs include costs to store the crop and interest on the value of the crop while stored. Costs incurred by the grower to sell any part of the crop would also be included.

HAY COSTS AND RETURNS PER ACRE 1,445 ACRES ON 19 COST ACCOUNT FARMS, 1978

	ITEM			AVER	AGE	PER	ACRE
COSTS:	GROWING:	***-*					
*****	LABOR	0 HR		- \$	0		
	TRACTOR	0 HR		_	0		
	TRUCK, E	QUIPMENT		-	0		
	CUSTOM W	ORK, EQUIP RENT -		-	Q		
	LAND USE			-	30		
	MANURE,	IME, COVER CROP -		-	2		•
-	FERT - L	3\$ N- 6, P- 13,	K- 29 -		7		
	•	ANTS NA		-	7		
		JST MATERIALS		-	1		
		, ALL OTHER		-	2		
•		GROWING COSTS		-		.\$	49
	HARVESTING:						
	LABOR	5 HR			26		
	TRACTOR				11		
		QUIPMENT		-	21		
		DRK, EQUIP RENT -		-	0		
	ALL OTHE		-		8		
		HARVESTING COSTS		-		_	66
		PPODUCTION COSTS		-		\$	115
	STORING AND				_		
		0 HR		-	0		
•		TRUCK, EQUIP		_	0		
		USE		-	9 7		
		, ALL OTHER STORING AND SELLIN		-	- (16
	TOTAL COSTS			_		\$	131
nertina.	· •						
RETURN		D: 2.2 TN		- \$ 1	23		
		OTHER RETURNS **		_ u _ 1	0		
	TOTAL RETUR			_	U	\$	123
	TOTAL PLIOR	V 3				. •	123
PROFIT						\$. 8
						PAGE	
OTHER	FACTORS: COS	T PER TN TO: GROW			\$	23	
		HARVES	T			30	
		STORE	AND SELL			7	
	TOT	AL (OR NET*) COST P	ER TN			60	÷
	101	AL (OR NET*) RETURN	** PER TN	1	•	57	
	PRC	FIT PER TN				3-	-
	LAB	OR RETURN PER ACRE	·		\$	18	
•	PRC	DUCTION PER HOUR OF	LABOR			0.4	TN
	PET	URN PER HOUR OF LAB	IOR .			3.31	
	RET	URN PER DOLLAR OF C	OST			0 • 94 	
	* \	ALUE OF BY-PRODUCTS	1 F ANV	DEDUCTE	.n.		-

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

FACTORS FROM 19 ENTEPPRISES OF HAY
19 COST ACCOUNT FARMS, 1978
(AFRANGED BY ACRES OF CROP)

		~~~		PR CD		AVE5	ACE	
•	ACRES	AVERA	GE	PER		AV ER. PER	AGE ACRE	•
FARM	PER	PER A		HR OF	GROW	HARV	TOTAL	TOTAL
_NO	ENTB	_YIELD_L		•	_COST	_COST	COSI**	RETURN
_32	AC	TN	HR HR	TN	* *	*****************	\$ - <del>\dagger</del> -2	\$
	AC	# (V	HIN	1 14	Φ	Þ	Φ	4
830	167.4	2.8	6	0 • 4	66	64	148	170
112	153.1	1.8	4	0.4	24	46	80	105
848	139.0	1.9	3	0.5	68 .	67	150	107
843	134.0	2.5	5	0.4	58	46	115	150
836	118.2	3.1	9	0.3	69	83	165	159
127	110.0	1.7	2	0 • 7	24	38	74	101
834	101.5	2.1	6	0.3	34	83	143	97
82 <b>7</b>	80.0	2.0	6	0.3	42	76	137	102
108	<b>7</b> 0.9	1.9	5	0 • 4	30	46	88	104
105	65.5	1.2	5	0.3	46	55	121	72
821	49.4	1.5	8	0 • 2	63	114	191	105
824	45.3	3.4	9	0.4	79	106	204	205
835	43.0	2.3	7	0.3	65	84	178	140
146	41.7	1.4	6	0 • 2	64	70	150	83
840	30.0	1.6	4	0 . 4	21	67	105	81
108	- 28.8	2.0	2	0.9	23	45	81	111
130	26.0	1.8	4	0.4	42	93	146	108
804	22.2	2.3	10	0.2	68	99	186	135
828	19.2	2.8	8	0.3	25	72	114	155
	50U5 AVE		C C O C C	N. T. N. C. T. C. A. C.	5 E C -			
THIRDS		KWGE73-B		DING_IO_AC	₹ <b>F</b> 2:			
	137.0	2.3	6	0.5	52	58	123	133
MED	65.1	2.1	7	0.4	52	81	152	118
LOW	28.0	2.0	6	0.5	41	75	131	113
LOW	20.0	2.0	Ü	U • J	-1-1	1 -0"	101	112
ANNUAL	_AV ER AGE	S+_ALL_E	NIR.	WEIGHIED	EY_ACRE	S:		•
1978	76.1	2 . 2	5	0 • 4	45	66	131	123
1977	69.3	2.3	6	0.4	<b>4</b> 9	65	136	142
1976	69.2	2.7	7	0 • 4	49	64	130	136
1975	50.2	2 • 8	7	0 • 4	42	69	126	140
1974	66.9	2.4	6	0 • 4	33	51	96	95

^{*} TO GROW AND HAPVEST THE CROP

^{**} INCLUDES STORING AND SELLING COSTS

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

(RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)

# FACTORS FROM 19 ENTERPRISES OF HAY 19 COST ACCOUNT FARMS, 1978 (READ ACROSS BOTH PAGES)

AV ER	AGE	AVE	RAGE	REIUR	N_PER	PROFIT	
PER	ACRE	PER	IN***	HOUR	\$	ON	
	LABOR	NET	NET	OF	OF	ENTER-	FARM
PROEII_	_REIURN	CCSI_	_REIURN	LABOR_		PRISE	0/
\$	\$	\$	\$	\$	\$	\$	
22	47	52	60	7.42	1.14	3,574	830
25	39	46	60	9.84	1.32	3,897	112
43 <b>-</b>	12-	77	55	3 <b>.66-</b>		5,889-	848
35	53	46	60	9.38	1.31	4,712	843
6-	43	54	52	4.82	0.96	739-	836
27	36	44	60	15.26	1.36	2,973	127
46-	13-	69	47	2.11-	0.68	4,691-	834
35 <b>-</b>	4	67	50	0.66	0.74	2,831-	827
16	33	47	55	6.51	1.18	1,134	108
49-	28-	100	60	6.19-	0.60	3,175-	105
86-	32-	127	70	3.97-	0.55	4,245-	821
1	37	60	60	4.15	1.01	51	824
38 <b>-</b>	7-	76	60	1.03-	0.79	1,637-	835
67-	46-	108	60	8.30-	0.56	2,764-	146
24-	7-	66	51	2.17-	0.77	724 <del>-</del>	840
30	39	40	55	18.06	1.36	853	108
38-	25-	81	60	6.19-	0.74	972 <del>-</del>	130
51-	5	83	60	0.54	0.73	1,131-	804
41	63	41	55	7.61	1.35	773	828
1978_GR	QUP_AVERA	GESAC	CORDING_	[Q_ACRES:	•		rut ooc
10	2.4	54	58	7.18	1.14		THIRDS HIGH
10	34				0.79	1,421 2,198-	
33-	0	79	58 53	0.27-		•	MED
17-	5	70	57	1.59	0.92	660-	LOW
ANNUAL	AVERAGES-	LALL_ED	NIP. WEIG	HIED_BY_	CRES:		
8-	18	60	57	3.31	0.94	56 <b>9-</b>	1978
6	32	59	62		1.05	467	1977
6	34	47	50	4.90	1.05	468	1976
14	41	44	49	5.46	1.11	695	1 9 7 5
1-	18	40	40	3.28	1.00	9-	1974

#### Hay Crop Silage -

Hay crop silage enterprises deal only with that portion of the hay crop handled as hay crop silage. See notes on page 8.

Because hay crop silage is harvested at a wide range of moisture levels, production is converted to a standard equivalent at 55 percent moisture to provide more meaningful data to average and/or compare.

Storing and selling costs include the cost of storing the silage and interest on the value of the crop while stored. Costs to remove the crop from storage are charged to the consuming livestock enterprise.

## HAY CROP SILAGE COSTS AND RETURNS PER ACRE 2,330 ACRES ON 17 COST ACCOUNT FARMS, 1978

	ITEM	A	/ERAGE	PER	ACPE
COSIS:	GROWING:				
. –	LABOR	0 HR 5	5 0		
	TRACT	OR	0		
	TRUCK	, EQUIPMENT	0 0		
	CUSTO	M WORK, EQUIP RENT	33		
•	LANU	USE	6		
	MANUK	- LBS N- 3, P- 11, K- 52	10		
+ 5	CEED.	PLANTS NA	13		
	SEEDI	DUST MATERIALS +	2		
	INTER	EST, ALL OTHER	2		
	TO	TAL GROWING COSTS		\$	66
	HARVESTI				
	1 ABOR	4 HR	21		-
•	TRACT	'NR 3 HR	12		
	TRUCK	• EQUIPMENT	27		
	CUSTO	OM WORK, EQUIP RENT	1		
	ALLC	THER	3		
	TO	TAL HARVESTING COSTS			6
		STAL PRODUCTION COSTS		\$	13
	STORING	AND SELLING:	_		
	LABOR	0 HR	0		
	TRACT	OR, TRUCK, EQUIP	0		
	BUILD	OING USE	13 5		
	INTER	REST, ALL OTHER	כ		1
				\$	14
	TUTAL CO	OSTS		*	
REIURI	48: - CBUB - 7	(IELD: 4.9 TN <b>@55% MOISTURE</b> \$	117		
	BY-PRODU	JCT, OTHER RETURNS **	0		
		TURNS		\$	11
PROFI	I <u>:</u>			\$ - <b>-</b>	. 3 
	:		AVE	EF AGE	
OTHER	EACTORS	COST PER TN TO: GROW	\$	14	
OINEK	PACIUAS:	HAPVEST	*	13	
•		STORE AND SELL		4	
		TOTAL (OR NET*) COST PER TN		30	
		TOTAL (OR NET*) RETURN ** PER TN		24	•
				6	-
		PROFIT PER TN			
		LABOR PETUPN PER ACRE	 \$	<b></b>	
				·	- TN
		LABOR PETUPN PER ACRE	\$	·	. <b>T</b> N

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

FACTORS FROM 17 ENTERPRISES OF HAY CROP SILAGE
17 COST ACCOUNT FARMS, 1978
(ARRANGED BY ACRES OF CROP)

	ACRES	AV ER A	C E	PR CD PER		AVER		
FARM	PER	PER_A			GROW	<u>PEP</u> HARV	ACRE	TOTAL
_NO	ENTR	YIELD L		HR OF LABOR	CCSI	COST	TOTAL _COST**_	TOTAL
-1717	AC	TN	. <u>#₽₽₽</u> ^~	TN	* ⊼ <u>ह3</u> Т	* *	* *	_REIURN \$
	AC	119	ITM.	ETN	Þ	• Ф	. 4	Þ
834	480.3	4.3	6	0.7	<b>5</b> 3	74	138	95
827	270.0	4.7	2	1.9	67	50		118
806	211.5	5.1	6	0.9	96	65	182	116
835	179.5	3.7	4	0.9	58	71	149	89
105	149.5	3.4	3	1.2	47	51	111	85
840	145.5	5 <b>.</b> 9	3	2.0	. 57	73	141	129
812	131.3	4.3	2	1.8	125	57	189	103
824	130.0	7.8	3	2.3	74	58	165	196
804	122.3	4.2	4	1.0	79	69	153	100
821	100.7	5.8	4	1.4	60	80	162	151
830	92.5	4.8	6	0.8	5 <b>7</b>	51	113	115
130	76.0	5.1	3	1.7	105	67	208	<b>1</b> 52
108	75.1	6.1	5	1.3	54	60	136	158
828	68.2	5.6	4	1.6	30	67	138	135
112	53.4	5.3	3 .	1.6	29	54	92	122
108	31.0	6.4	3	2.4	34	50	113	154
146	13.3	4.8	5 .	1.1	65	74	143	115
7								
	ROUP_AVE	RAGES. A	<u>CCCRD1</u>	NG_IQ_AC	EES:			
THIRDS	_	, ,	,	1 -	4.5		1.75	107
	1 239.4	4.6	4	1.3	63	64	145	106
MED LOW	115.4	5.4 5.4	5 4	1.5	80 53	64	157	134
LUW	52.8	5.6	4	1.6	53	63	139	140
ANNUAL	AVERAGE	S- ALL E	NTR. W	EIGHTED	BY ACRE	s:		
						· <del></del>		
1978	137.1	4.9	4	1.2	66	64	148	117
1977	120.0	6.2	5	1.3	63	71	157	151
1976	92 <b>.6</b>	7.7	5	1.5	57	68	147	160
1975	127.2	6.7	4	1.7	51	49	118	140
1974	110.4	6.4	4	1.5	43	49	110	111

^{*} TO GROW AND HARVEST THE CROP

Note: Yield adjusted to 55% moisture.

^{**} INCLUDES STORING AND SELLING COSTS

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

FACTORS FROM 17 ENTERPRISES OF HAY CROP SILAGE
17 COST ACCOUNT FARMS, 1978
(READ ACROSS BOTH PAGES)

AV ER A	GF	AVER	AGE	RETUR	N PER	PROFIT	
PEP _A			IN***	HOUR	\$	ON	
	LABOR	NET	NET	OF	OF	ENTER-	FARM
PROEII			RETURN_	LABOR	_COSI	PRISE	<u>NO</u>
\$	\$	\$	\$	\$	\$	\$	
43-	10-	32	22	1.88-	0.69	20,253-	834
27-	9-	31	25	4.09-	0.81	7,269 <del>-</del>	
66-	34-	35	23	6.21-	0.64	14,024-	806
60-	44-	40	24	11.43-	0.59	10,890-	835
26 <del>-</del>	13-	33	25	5.15-	0.76	3,944-	105
12-	2	24	22	0.56	0.92	1,612-	840
86-	66-	44	24	28.11-	0.54	11,387-	812
31	45	21	25	13.46	1.19	4,070	824
53 <b>-</b>	28-	37	24	7.14-	0.66	6,417-	804
11-	16	28	26	3.74	0.93	1,109-	821
2	24	24	24	3.96	1.02	158	830
56 <del>-</del>	46 <del>-</del>	41	30	15.85-	0.73	4,199-	130
22	42	22	26	8.72	1.16	1,602	108
3+	7	24	24	1.93	0.98	188-	828
30	41	17	23	12.11	1.32	1,595	112
41	53	18	24	19.75	1.37	1,291	108
28-	11-	30	24	2.69-	0.81	365-	146
1978_GP	DUP_AVERA!	GESAC	CORDING"	TATACRE7:	,	3 -	THIRDS
	1 <del>-</del> 7	5.0	24	4.69-	0.74	9,664-	HIGH
38~	17-	33 21	2 <del>4</del> 25	2.81-		2,936-	MED
22-	1-	31	25 26	∠•81- 4•00	1.06	43-	LOW
1	15	26	26	4.00	1.00	7.7	E CH
A NINITA !	AVERAGES-	ALL EN	TR. WETGI	HTED BY A	CPES:	٠	
ANNUAL	AAEDAGEST.	_4FF-F3	121-0615				
31-	<b>9</b> +	30	24	2.52-	0.79	4,290-	1978
6-	15	25	25	3.19	0.96	669-	1977
13	34	19	21		1.09	1,202	1976
22	38	18	21	9.48	1.19	2,783	1975
1	17	17	17	3.95	1.01	131	1974

#### Corn Silage -

Storing and selling costs include the cost of storing the silage and interest on the value of the crop while stored. Costs to remove the crop from storage are charged to the consuming livestock enterprise.

### COPN SILAGE COSTS AND RETURNS PER ACRE 2,460 ACRES ON 20 COST ACCOUNT FARMS, 1978

ITEM		AVE	AGE	PER	ACR
	2 HR	\$	11		
TRACT			9		
TRUCK	, EQUIPMENT		13		
	USE	٠,	33		
	E, LIME, COVER CROP		19		
	- LBS N- 108, P- 61, K- 78		39		
	PLANTS 17 LB		13	•	
	, DUST MATERIALS		15		
INTER	EST, ALL CTHER		. 4		
	TAL GREWING COSTS			\$	1.5
HARVESTI					
LABUR	3 HR		19		
TRACT	OR 3 HR		12		
TRUCK	, EQUIPMENT		28 0		
ALL O			3		
	TAL HARVESTING COSTS				•
	TAL PRODUCTION COSTS			\$	21
the state of the s	AND SELLING:			*	
	0 HR		0		
	OR, TRUCK, EQUIP		ō		
BUILD	ING USE		8		
	EST, ALL OTHER		9.		
	TAL STORING AND SELLING COSTS				. 1
TOTAL CO	STS			\$	23
RETURNS:					
	IELD: 12.3 TN	\$	231		
	CT, CTHER RETURNS **		0		
TOTAL RE	TURNS			\$	23
PROFIT:				\$	
		<b></b>			
			AV E	RAGE	
THER FACTORS:	COST PER TN TO: GROW		\$	13	
	HAFVEST			5	
	STORE AND SELL			1	
	TOTAL (OR NET*) COST PER IN			19	
	TOTAL (OR NET*) RETURN ** PER TN			19	
	PROFIT PER TN			0	
			\$	25	
	LABOR RETURN PER ACRE				
	PRODUCTION PER HOUR OF LABOR			2.2	T,
					Ţ

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

FACTORS FROM 20 ENTERPRISES OF CORN SILAGE
20 COST ACCOUNT FARMS, 1978
(ARRANGED BY ACRES OF CROP)

				PRCD		AVER	 AGE	
	ACRES	AVER	AG E	PER	<u> </u>	PER		
FARM	PER	_PER	ACRE	HR OF	GROW	HARV	TOTAL	TOTAL
_NQ	ENIR	YIELD_		LABOR	COSI	_COSI_	COST**	_RETURN
	AC	TN	HR	TN	\$	\$	\$	\$
827	331.0	13.5	-6	2.3	154	81	246	230
834	320.5	10.0	6	1.7	141	66	220	180
806	234.9	11.4	7	1.6	162	69	244	228
821	207.2	11.5	6	1.8	151	72	243	242
812	202.7	14.1	-3	4.6	161	51	233	255
830	169.7	10.3	8	1.4	164	55	228	196
804	159.1	12.8	7	1.9	179	66	255	241
824	146.2	17.1	3	4.7	165	56	245	325
840	141.0	13.1	4	3.4	164	43	226	233
835	105.0	9.6	6	1.8	187	30	243	193
105	102.5	12.7	6	2.2	149	43	209	241
836	81.5	12.6	5	2.7	129	43	198	240
127	54.0	13.5	7	1.9	174	85	269	267
146	50.0	9.9	5	2.1	153	56	224	199
112	47.0	11.1	6	1.9	115	56	197	243
843	35.0	11.4	7	1.5	172	77	2 <b>7</b> 6	229
108	25.8	17.4	10	1.6	136	97	254	349
108	20.2	13.0	6	2.1	119	51	189	260
828	14.5	10.3	6	1.7	140	<b>7</b> 3	234	195
130	13.0	10.0	6	1.8	210	95	349	200
1070 0	BOLLO AVE	TRACEC .	. C C O D D T	ALC TO AC	`DEC.			
THIRDS		RAGESA	ACCOVOT		⊼ <b>K</b> E⊅:			
	232.2	12.0	7	2.2	159	66	239	225
MED	105.0	13.1	6	2.8	162	50	232	250
LOW	29.4	11.9	7	1.9	150	73	246	240
ANNUAL	_AVERAGE	SALL_	NIR. W	EIGHIED	BY_ACRE	<u>s:</u>		
1978	123.0	12.3	5	2.2	157	62 ⁻	236	231
1977	98.1	12.8	6	1.9	144	62	225	239
1976	106.7	13.1	6	2.1	135	52	207	212
1975	98.3	14.1	6	2.4	136	48	207	229
1974	106.6	13.5	5	2.3	120	41	178	187
							- · <del>-</del> ,	•

^{*} TC 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 20 ENTERPRISES OF CORN SILAGE
20 COST ACCOUNT FARMS, 1978
(READ ACROSS BOTH PAGES)

AV EP	AGE	AVE	RAGE		N PER	PROFIT	
	ACRE		IN***	HOUR	\$	ON	•
	LABOR	NET	NET	OF	ĞF	ENT ER-	FARM
PROFIT	_REIURN	COST_	REIURN	LABOR	COST	PRISE	NO
\$	\$ .	\$	\$	\$	\$	\$	
					•		
16-	21	18	17	3.66	0.93	5,601-	827
40-	10-	22	18	1.78-	0.82	13,045~	834
16-	23	21	20	3.32	0.93	3,934-	806
1 -	39	21	21	6.14	0.99	273-	821
22	46	17	18	15.03	1.09	4,293	812
32-	2-	22	19	0.34-	0.86	5,346-	830
14-	23	20	19	3.46	0.94	2,232-	804
80	96	14	19	26.11	1.33	11,753	824
7	24	17	18	6.38	1.03	1,006	840
50 <del>-</del>	28-	25	20	5.44-	0.79	5, 258-	835
32	5 <b>7</b>	16	19	9.93	1.15	3,305	105
42	73	16	19	15.39	1.21	3,407	836
2-	28	20	20	3.88	0.99	115-	127
25 <b>-</b>	8-	23	20	1.89-	0.89	1,253-	146
46	<b>6</b> 6	18	22	11.51	1.24	2,203	112
47-	22-	24	20	2 <b>.</b> 95-	0.83	1,654-	843
95	141	15	20	13.29	1.37	2,453	108
71	95	15	20	15.56	138	1,444	108
39-	21-	23	19	3.71-	0.83	560-	828
149-	132-	35	20	23.31-	0.57	1,939-	130
				:			
1978_GR	QUP_AVERAG	GES. AC	CORDING I	O_ACRES:			
							THIPDS
13-	20	21	19	4.21	0.94	3,733-	HIGH
18	42	19	20	9.38	1.08	2,350	MED
6-	17	22	21	1.21	1.02	99	LOW
ANNUAL	AVERAGES-	ALL_EN]	ERWEIGH	IED_BY_A	CRES:	·	
5 <b>-</b>	25	19	19	4.46	0.98	566 <del>-</del>	1978
14	45	18	19	6.73	1.07	1,454	1977
5	31	16	16	5.10	1.03	551	1976
22	47	15	16	7.92	1.11	2,245	1975
9	31	13	14	5.28	1.05	971	1974
				<del></del>		, · <u>-</u>	<b>* ≠ ₹ ₹ ↑</b>

#### Corn Grain -

Harvesting costs include costs to place the crop in a truck if the crop is to leave the farm for any reason at harvest time. Otherwise, harvesting costs include costs to deliver the corn to farm drying facilities or storage.

Storing and selling costs include costs to haul the corn from the farm to be dried, stored and/or sold. Also included are drying, storing and handling costs to the point of sale. Fuel for drying and custom drying costs are included under "all other" along with interest on the value of the stored crop. If the crop is used on the farm, costs to remove it from storage are charged to the livestock enterprise. A wide range of practices are followed from farm to farm.

### CORN FOR GRAIN COSTS AND RETUPNS PER ACRE 1,228 ACRES ON 8 COST ACCOUNT FARMS, 1978

	ITEM	AVERA	GE PER	ACRE
cosis:	GROWING: LABOR 2 HR	\$ 1	- <b></b> 0	
	TRACTOR 1 HR			
	TRUCK, EQUIPMENT	1	1	
	CUSTOM WORK, EQUIP RENT		2	
	LAND USE	2	6 .	
	MANURE, LIME, COVER CROP		8	
	FERT - LBS N- 144, P- 71, K- 92	5	5	
	SEED, PLANTS 19 LB	1	4	
*	SPRAY, DUST MATERIALS	1	6	
	INTEREST, ALL OTHER		7 .	
	TOTAL GROWING COSTS		\$	156
	HARVESTING:			
	LABOR 1 HR		4	-
	TRACTOR OHR		1	
	TRUCK, EQUIPMENT		8	
	CUSTOM WORK, EQUIP RENT	1	5	
	ALL OTHER		2	
	TOTAL HARVESTING COSTS			30
	TOTAL PRODUCTION COSTS		\$	18
	STORING AND SELLING:			
	1 ABOR 1 HR		4.	
	TRACTOR, TRUCK, EQUIP		3	
	BUILDING USE	1	3	
	INTEREST, ALL OTHER	1	6	
	TOTAL STORING AND SELLING COSTS		7.	3
	TOTAL COSTS	•	\$	22
PETURN	S:			
	CROP - YIELD: 92 BU	\$ 20	5	
	BY-PRODUCT, CTHER RETURNS **	-	0	
	TOTAL RETURNS	•	\$	209
PEQELI	1		\$	1
		ΑΑ	VEPAGE	·
DIUED	FACTORS: COST PER BU TO: GROW	¢	1.69	)
UIMEK	HARVEST	Ψ	0.33	
	STOPE AND SELL		0.39	
	TOTAL (OR NET*) COST PER BU		2.41	
	TOTAL (OR NET*) COST PER BU		2.22	
	PROFIT PER BU		0.19	
	LABOR RETURN PER ACRE	*		
	PRODUCTION PER HOUR OF LABOR		31	. BU
				`
	RETURN PER HOUR OF LABOR RETURN PER DOLLAR OF COST	3	0.00	

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

FACTORS FROM: 8 ENTERPRISES OF CORN FOR GRAIN
8 COST ACCOUNT FARMS, 1978
(ARRANGED BY ACRES OF CROP)

				PROD		AVER	AGE	
	ACPES	AVER.	AG E	ÞΕÞ		PEP	ACRE	•
FARM	PER	PER	ACRELL	HR OF	GROW	HARV	TOTAL	TOTAL
_NO	ENIR	_YIELD_	LABOR*	_LABOR_	COSI	_COST	COST**	RETURN
4	AC	BU	ΗÞ	₿U	\$	<b></b>	\$	\$
833	765.3	100	3 -	36	170	33	250	226
858	117.5	104	2	45	134	30	191	233
112	94.5	48	3	14	121	17	146	107
802	87.0	78	3	26	133	20	173	161
836	84.8	93	4	30	132	26	163	195
146	33.0	49	4	11	133	47	205	115
108	25.8	66	4	17	114	31	154	137
822	20.3	84	8	11	205	23	265	149
•								
ANNUAL	_AVERAGE	S=_ALL_	ENIR. W	EIGHIED	BY ACRE	<u>s:</u>		
1978	153.5	92	3	31	156	30	222	205
1977	149.4	76	4	21	137	21	187	163
1976	127.1	75	3	22	133	26	192	1 <b>7</b> 5
1975	56.2	83	4	20	133	27	185	189
1974	134.1	7 <b>1</b>	3	23	114	21	155	197

^{*} TO GROW AND HARVEST THE CROP

^{**} INCLUDES STOPING AND SELLING COSTS

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

⁽RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)

FACTORS FROM 8 ENTERPRISES OF CORN FOR GRAIN 8 COST ACCOUNT FAPMS, 1978 (READ ACROSS BOTH PAGES)

AVEF	RAGE	AVE	RAGE	_RETUR	N_PER	PROFIT	
PER	ACRE	PER	BU***	HOUR	\$	NG	
	LABOR	NET	NET	OF	OF	ENTER-	FARM
PROFIL	RETURN	COSI_	_REIUSN	LABOR_	_CDST	PRISE	Q:
\$	\$	\$	\$	\$	\$	\$	
24-	4-	2.50	2.26	1.28-	0.90	18,801-	833
42	54	1.83	2.24	22.96	1.22	4,946	858
39-	26 <del>-</del>	3.07	2.24	7.52-	0 <b>.7</b> 3	3,752-	112
12-	1 -	2.20	2.05	0.55-	0.93	1,035-	802
32	50	1.76	2.10	16.15	1.19	2,638	836
90-	69-	4.20	2.35	12.00-	0.56	2,971-	146
17-	0	2.34	2.07	0.32-	0.89	455-	108
116-	72-	3.15	1.78	8.95-	0.56	2,343-	822
						•	
ANNUAL	AVERAGES-	ALL_EN	IR. WEIGH	ITED_BY_A	CPES:		
17-	0	2.41	2.22	0.00	0.92	2,721-	1978
24-	4-	2.38	2.08	0.99-	0.87	3,488 <del>-</del>	1977
17-	0	2.57	2.35	0.32-	0.91	2,156-	1976
4	23	2.23	2.29	5.02	1.02	248	1975
42	54	2.17	2.77	16.65	1.28	5,751	1974

#### High Moisture Corn -

These enterprises include both high moisture shelled corn and ground ear corn fed on the farm to dairy cattle. Costs to remove the corn from storage are charged to the livestock enterprise.

### HIGH MOISTURE CORN COSTS AND RETURNS PER ACRE 1,431 ACRES ON 11 COST ACCOUNT FARMS, 1978

ITEM	AVERAGE	PER	ACP
TRACTOR TRUCK, I CUSTOM V LAND USE	2 HP \$ 11 2 HR 11 EQUIPMENT 15 WORK, EQUIP RENT 3		
FERT - L SEED, PL SPRAY, ( INTERES	LIME, COVER CROP 11  BS N- 113, P- 65, K- 96 38  ANTS	\$	15
TRACTOR: TRUCK, ( CUSTOM ( ALL OTH)	2 HR 9 1 HR 3 EQUIPMENT 18 WORK, EQUIP RENT 3 ER 0 L HARVESTING COSTS		3
TOTAL STORING AND LABOR TRACTOR BUILDING INTERES	L PRODUCTION COSTS	\$	18
TOTAL COST	L STOPING AND SELLING COSTS S	\$	20
BY-PPODUCT	LD: 3.5 TN 5 208  CTHER RETURNS ** 0  RNS	\$	20
PROFIL:		\$	
	AVE	RAGE	
το	ST PER TN TO: GROW \$  HAPVEST  STORE AND SELL  TAL (OR NET*) COST PER TN  TAL (OR NET*) PETURN ** PER TN	44 9 3 56 59	
PR	OFIT PER TN	3	
	BOR FETURN PER ACPE \$	28 0•9	T
¢Ε		0.9 6.98 1.04	

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

** PECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED

FACTORS FROM 12 ENTERPRISES OF HIGH MOISTURE CORN 11 COST ACCOUNT FARMS, 1978 (ARRANGED BY ACRES OF CROP)

		÷		PR CD	-	AV ER A		
	ACRES	AVERAG	Ε	PER		_PER6		
FARM	PER	_PEPAC	<u>rel</u>	HR OF	GEOW	HARV	TOTAL	TOTAL
_NC	ENIR_:	_YIELD_LA	BQB*	LABOR	_CCSI	_COSI	_CCSI**_	<u>REIURN</u>
	AC	TN	HR	TN	\$	\$	\$	\$
834	433.0	4.1	5	0.9	146	41	202	225
824+	200.0	2.4	2	1.0	166	17	188	154
827	161.0	4.2	5	1.0	137	33	176	230
827+	128.0	2.8	4	0 • 8	153	24	203	181
105	110.0	4.5	6	0.7	163	43	212	250
828+	109.9	2.1	3	0.7	138	27	176	139
835	81.0	4.7	7	0 . 8	188	30	22 <b>7</b>	279
108+	54.6	3.4	2	1.4	136	29	185	237
130+	50.0	3.2	2	1.5	214	24	25 <b>7</b>	227
806	46.0	3.9	4	0.9	159	52	230	236
146	40.0	2.6	4	0.7	149	53	205	153
830	18.0	2 . 4	6	0 • 4	146	34	186	155
ANNUAL	AVERAGE	S- ALL EN	IE.	WEIGHIED.	BY_ACRE	S:		
							-	
1978	119.3	3.5	4	0.9	154	33	200	208
1977	114.7	3.0	4	0.7	131	34	176	188
1976	95.1	3.3	4	0.7	137	34	183	191
1975	105.4	3.3	3	1.0	134	25	171	199
1974	100.0	3.4	4	0.9	116	29	156	258
•								

^{*} TO GROW AND HARVEST THE CROP

^{**} INCLUDES STORING AND SELLING COSTS

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

⁺ Harvested as HM shelled corn, otherwise as HM ground ear corn.

FACTORS FROM 12 ENTERPRISES OF HIGH MOISTURE CORN 11 COST ACCOUNT FARMS, 1978 (PEAD ACROSS BOTH PAGES)

AV ER			RAGE	LEEIUP		PROFIT	
PER	ACRE		IN***	HOUR	\$	ON	
	LABOR	NET	NET	CF	OF	ENTER-	FARM
PPOEII_	REIURN	COSI_	_REIUSN	LABOR_		<u></u>	NO_
\$	<b>\$</b>	\$	\$	\$	\$	\$	
23	46	50	55	9.94	1.11	9,724	834
34-	23-	79	<b>6</b> 5	10.53-	0.82	6,760-	824
54	82	42	55	18.83	1.30	8,567	827
22-	0	73	65	0.02	0.89	2,805-	827
38	65	47	55	10.51	1.18	4,186	105
37-	28 <del>-</del>	82	65	9.35-	0.79	4,056-	828
52	77	49	60	12.62	1.23	4,213	835
52	63	55	70	25.70	1.28	2,8 <b>67</b>	108
30-	23-	79	70	11.04-	0.88	1,533-	130
6	31	58	60	7.20	1.03	291	806
52-	39-	80	60	10.97-	0.75	2,087-	146
31-	6-	78	65	1.11-	0.84	544-	830
					CD = C -		
ANNUAL	AVERAGES-	_ALL_ED	TR	TED_BX_A	CEEZI		
8	28	56	59	6.98	1.04	1,005	1978
12	30	5 <b>7</b>	61	7.10	1.07	1,363	1977
8	26	56	58	5.80	1.04	698	1976
28	42	52	60	12.52	1.16	2,963	1975
102	115	46	76	31.77	1.65	10,172	1974
104	1. I -/	70	, 0		1000	107112	# 2 F T

#### Small Grains - Oats and Wheat -

Harvesting costs include costs to harvest the grain only and place it in farm storage. Costs and returns for handling the straw have been excluded from the enterprise figures.

Storing and selling costs include mainly the cost of bins to store the crop and interest on the value of the stored crop. Costs incurred by the grower to sell any part of the crop would also be included. If fed on the farm, cost to remove the crop from storage are charged to the consuming livestock enterprise.

### OATS COSTS AND RETURNS PER ACRE 406 ACRES ON 9 COST ACCOUNT FARMS, 1978

	ITEM				•			Α١	FAGE	PER	ACRE
COSIS:	GROWING:										
	LABOR	(	2 HR -	<b>-</b>				- 4	10		
	TRACT	OP .	2 HR -				<b></b> .	-	8		
	TRUCK	, EQUIPM	IENT					_	10		
		M WORK,							0		
		USE						-	31		
	MANUR	E, LIME,	COVER (	POP -				-	3	•	
	FERT	- LBS N-	· 27, P-	- 36,	K-	31		-	14		
		PLANTS						-	9		
	SPRAY	, DUST M	MATERIALS	S				-	1		
	INTER	LEST, ALL	OTHER					-	2	•	
	TO	TAL GROW	IING COST	rs				-		\$	88
	HARVESTI										
		· ·						-	3		
	TPACT	CR.	0 HR -					_	0		
	TRUCK	, EQUIPM	tENT					-	7		
	CUSTO	M WORK,	EQUIP RE	ENT -				-	3		
	ALL C	OTHER -						_	1		
	TC	STAL HARV	ESTING (	COSTS				<del>-</del>			14
	πο	TAL PROD	OUCTION (	COSTS						\$	102
		AND SELL									
		}						_	0		
		OR, TRUC					_	_	1		
		ING USE					_	_	ō		
		REST, ALL					_	_	5		
		TAL STOP				CSTS	_	<del>_</del>			6
		OSTS					-	_		\$	108
RETURN	s :										
TETATH		(TELD:	66 BU				-écrás	\$	83		
		JCT, CTHE						<b>-</b>	0		•
		ETURNS -						_	Ū	· <b>\$</b>	83
	13176 116									•	0.5
PROEII	<u>:</u>	*** **-					_	-		\$	25
			,						 AV A	EP A GE	
										1 22	
OTHER	FACTORS:	COST PER		GROW					\$		
OTHER	FACTORS:	COST PER		GROW HARVES	5 <b>T</b>				\$	0.22	
OTHER	FACTORS:		R BU TO:	GROW HARVES STORE	ST AND	SEL			\$	0.22 0.08	
OTHER	FACTORS:	TOTAL (C	R BU TO:	GROW HARVES STORE COST A	ST AND PEP	SEL BU	L			0.22 0.08 1.62	
OTHER	FACTORS:	TOTAL (C	R BU TO:  OF NET*)  OR NET*)	GROW HARVES STORE COST A	ST AND PEP	SEL BU	L			0.22 0.08 1.62 1.25	
OTHER	FACTORS:	TOTAL (C	R BU TO:  OF NET*)  OR NET*)	GROW HARVES STORE COST P PETURI	ST AND PEP N **	SEL BU PER	L BU			0.22 0.08 1.62	
OTHER	FACTORS:	TOTAL (C TOTAL (C PROFIT F	R BU TO:  OF NET*)  OR NET*)	GROW HARVES STORE COST F PETUR!	ST AND PEP V **	SEL BU PER	L BU			0.22 0.08 1.62 1.25	ado
OTHER	FACTORS:	TOTAL (C TOTAL (C PROFIT S LABOR RE	R BU TO:  OR NET*)  OR NET*)  PER BU	GROW HARVES STORE COST R RETURI	ST AND PEP N **	SEL BU PER	L BU			0.22 0.08 1.62 1.25 0.37	
OTHER	FACTORS:	TOTAL (CONTOTAL (CONTOTAL)	R BU TO:  OF NET*)  OR NET*)  PER BU  ETURN PER	GROW HARVES STORE COST F RETUR! R ACRE	ST AND PEP N **	SEL BU PER	L BU		\$	0.22 0.08 1.62 1.25 0.37	- - BU

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

** RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED

FACTORS FROM 9 ENTERPRISES OF OATS 9 COST ACCOUNT FARMS, 1978 (ARRANGED BY ACRES OF CROP)

				PRCD		AVER	AGE	
	ACRES `	AVER.	AG E	PEP			ACRE	
FARM	PER	_PER	ACRE	HP OF	GROW	HARV	TOTAL	TOTAL
_NO	ENIR	_YIELD_		LABOR	_COST	CCSI		TOTAL
	AC	BU	HR	BU	<del></del>		_COSI**_	_RETURN
			,,,,		49	\$	\$	\$
833	90.5	64	4	16	0.0			
112	68.5	74	.2		88	15	107	70
827	65.0	71		36	70	7	82	100
824	62.5		2	34	76	19	99	89
858		62	2	31	94	11	111	80
	49.5	59	4	16	101	20	125	76
108	23.0	71	2	29	73	19	98	92
848	22.0	68	3	31	131	17	161	82
836	15.6	64	3	29	102	13	116	83
146	10.0	60	3	21	114	16	133	
					*		133	78
ANNUAL	_AVERAGE	S- ALL F	NTR. W	ETCHTED	RV ACDE	c •		
			·	PYALTER"	<b>カエーサアンビ</b>	2∙		
1978	45.2	66	3 .	24	0.0	• •		
1977	44.8	39	2		88	14	108	83
1976	42.5			19	74	15	104	56
1975	29.2	54	3	20	87	10	105	83
		88	4	23	97	15	119	126
1974	33.4	69	4	19	85	19	113	124
								'

^{*} 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 9 ENTERPRISES OF DATS 9 COST ACCOUNT FARMS, 1978 (READ ACROSS BOTH PAGES)

AVER	AVERAGE		RAGE	RETUR	N_PER	PROFIT	<del>-</del>
PER	ACRE	PER	BU***	HOUR	\$	ON	
	LABOR	NET	NE <b>T</b>	OF	OF	ENTER-	FARM
PROFIT	RETURN	COST_	RETURN	LABOR	_COST_	PRISE	NO_
\$	\$	\$	\$	\$	\$	\$	
37 <b>-</b>	17-	1.67	1.10	4.49-	0.66	3,306-	833
18	25	1.11	1.34	10.89	1.21	1,207	112
10-	4	1.39	1.25	1.99	0.90	666+	827
31 <b>-</b>	22-	1.80	1.30	11.56-	0.72	1,922-	824
49-	29-	2.14	1.30	7.92-	0.61	2,430-	858
6-	4	1.39	1.30	1.42	0.93	150-	108
79-	59-	2.36	1.20	26.77-	0.51	1,741-	848
33-	18-	1.82	1.30	8.93-	0.72	5 <b>1</b> 5-	836
55-	44-	2.21	1.30	15.44-	0.59	545 <del>-</del>	146
ANNUAL	AVERAGES-	_ALL_EN	IR. WEIGH	HIED_BY_A	CRES:		
25-	10-	1.62	1.25	3.92-	0.77	1,118-	1978
48-	37-	2.64	1.42	17.76-	0.54	2,140-	1977
22-	9-	1.95	1.56	3.44-	0.80	899-	1976
7	21	1.35	1.43	5.16	1.06	203	1975
11	24	1.65	1.81	6.14	1.10	375	1974
	<u>-</u> '	<u> </u>				- 1-	

#### Wheat -

See note regarding small grains on page 28.

### WHEAT COSTS AND RETURNS PER ACRE 414 ACRES ON 9 COST ACCOUNT FARMS, 1978

ITEM		AVEFAGE	PER A	ACR
TRACT TRUCK	3 HR	\$ 14 11 12 2		
LAND MANUF FERT SEED SPRAY	USE	35 4 17 16 1		
INTER	EST, ALL OTHER OTAL GROWING COSTS	4	\$	11
TRACT TRUCI CUST	1 HR	4 0 11 5 1	·	
TO STORING LABO	OTHER	2	\$	13
BUIL INTE T	DING USE	1 5	\$	1 1 ²
BY-PPCD	YIELD: 30 BU	\$ 111 0	\$	1:
PROEII:			\$ <b>-</b>	
		AVA 	ERAGE	<del>-</del> -
	COST PER BU TO: GROW  HAPVEST  STORE AND SELL  TOTAL (OP NET*) COST PER BU  TOTAL (OP NET*) PETURN ** PER BU		3.86 0.70 0.33 4.89 3.67 1.22-	<del>-</del>
	LABOR RETURN PER ACPE	. <b></b> \$	16-	
	PRODUCTION PER HOUR OF LABOR		8	В
			4.11-	

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

### FACTORS FFOM 10 ENTERPRISES OF WHEAT 9 COST ACCOUNT FARMS, 1978 (ARRANGED BY ACRES OF CROP)

								· 
				PROD		AVER	AGE	
	ACRES	AVERA	AG E	PER		PER	ACRE	
FARM	PER	_PER/	ACRE	HR OF	GROW	HARV	TOTAL	TOTAL
_NC	ENIR	_YIELD_U	ABOR*	_LABOR	_cost	COST	COST**	_RETURN
	AC	BU	HR	BU	\$	\$	\$	\$
					•		•	•
827	96.0	32	2	21	103	34	147	128
833	60.0	18	7	3	187	21	217	62
830	47.0	30	4	7	94	11	107	120
835	42.0	30	5	6	94	14	115	107
83 6	38.9	40	4	11	104	14	126	161
848	37.0	26	2	13	101	17	123	89
830	34.8	44	5	9	89	21	157	149
812	31.9	33	3	11	145	18	162	102
828	17.0	24	5	5	122	26	148	70
858	10.0	14	4	4	117	18	138	47
	• • • • • • • • • • • • • • • • • • • •	<del>-</del>	,	·		* 0	100	• •
ANNUAL	AVERAGE	S- ALL E	-NTR. W	FIGHTED	BY ACRE	S:		
***************************************				. <del> </del>		. 36	**************************************	•
1978	41.5	30	4	8	116	21	147	111
1977	162.0	44	3	19	98	16	131	109
1976	158.7	43	3	18	96	17	127	112
1975	148.1	47	2	23	87	13	116	155
1974	135.7	42	2	20	76	15	101	151
		· <b>-</b>	_					

^{- *} TO GROW AND HARVEST THE CROP

#### FACTORS FROM 1 ENTERPRISE OF SOYBEANS 1 COST ACCOUNT FARMS, 1978 (ARRANGED BY ACRES OF CROP)

	ACRES	AVERA	 \GE	PR OD P ER		AVER PER		
FARM	ЬEВ	_PERA		HR OF	GROW	HARV	TOTAL	
_NO	ENIP	_YIELD_L		_LABOR_	COSI	CDSI_	_COSI**_	_RETUEN
	AC	BU	HR	BU	\$	\$	\$	\$
833	495.5	19	3	6	100	17	124	118

^{*} TO GROW AND HARVEST THE CROP

^{**} INCLUDES STORING AND SELLING COSTS

^{***} VALUE OF BY-PPODUCTS, IF ANY, DEDUCTED

⁽PECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)

^{**} INCLUDES STORING AND SELLING COSTS

^{***} VALUE OF BY-PPODUCTS, IF ANY, DEDUCTED

(RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)

## FACTORS FROM 10 ENTERPRISES OF WHEAT 9 COST ACCOUNT FARMS, 1978 (READ ACROSS BOTH PAGES)

AVER	AVERAGE AVERAGE			<u>_REIUR</u>	N_PEP	PROFIT	
PER	ACRE	PER	BU ***	HOUR	\$	ON	
	LABOR	NET	NET	OF	OF	ENTER-	FARM
PROEII_	_REIURN	COSI_	<u> REIURN</u>	LABOR_	_COSI	PRISE	NO
\$	\$	\$	\$	\$	\$	\$	
19-	7-	4.60	3.99	4.51-	0.87	1,860-	827
155-	122-	12.20	3.50	17.36-	0.29	9,272-	833
13	30	3.55	4.00	6.83	1.13	630	830
8-	13	3.84	3.5 <b>7</b>	2.32	0.93	34 <b>0-</b>	835
35	54	3.13	4.00	12.89	1.28	1,362	836
34-	18-	4.79	3.46	9.56-	0.72	1,267-	848
8-	18	3.55	3.35	2.54	0.95	298-	830
60 <del>-</del>	38 <del>-</del>	4.94	3.09	12.95-	0.63	1,935-	812
78 <b>-</b>	61-	6.14	2.90	12.62-	0.47	1,328-	828
91 -	<b>73</b> -	10.20	3.50	21.08-	0.34	904-	858
ANNUAL	AVERAGES-	ALL_EN	TE. WEIGH	HIED_BY_A	CPES:		
36 <del>-</del>	16-	4.89	3.6 <b>7</b>	4.11-	0.75	1,520-	1978
22-	6-	2.99	2.50	2.13-	0.84	3,462-	1977
15 <b>-</b>	0	2.93	2.59	0.23-	0.88	2,335-	1976
39	50	2.44	3.26	19.13	1.34	5,767	1975
50	60	2.40	3.59	24.43	1.49	6,762	1974

### FACTORS FROM 1 ENTEPPRISE OF SOYBEANS 1 COST ACCOUNT FARMS, 1978 (READ ACROSS BOTH PAGES)

AVERAGE		AVERAGE		_RETUR	N_PER	PROFIT		
PER ACRE		PER BU***		HCUR	\$	ON		
PROFIT	L ABOR	NET	NET	OF	OF	ENTER-	FARM	
	RETURN	COST	RETURN	LABOR	COST	PRISE	NO	
\$	\$	\$	\$	\$	\$	\$	<u> </u>	
6-	10	6.58	6.27	3.03	0.95	2,937-	833	