

Appendix table 1--Sugar beets: Acreage harvested by region and State, crop year

Region and State	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1/
<b>1,000 acres</b>																										
Region 1:																										
Michigan	90	83	87	87	80	91	91	86	92	88	97	99	97	104	106	118	110	142	145	150	157	166	175	187	187	187
Ohio	39	41	33	30	33	39	37	23	23	14	18	14	2/	13	11	13	15	16	15	12	19	19	21	18	16	16
Region 2:																										
Minnesota	151	111	112	131	163	196	<b>248</b>	260	263	244	243	256	252	259	263	276	311	310	334	341	364	363	370	379	411	411
North Dakota	93	74	74	79	140	131	<b>150</b>	155	155	143	143	145	145	142	139	144	164	161	176	160	193	194	195	191	202	202
Region 3:																										
Colorado	145	139	134	114	126	155	121	72	84	73	91	77	46	37	44	3	37	37	39	40	40	40	40	40	40	43
Kansas	44	39	36	34	35	43	38	24	26	12	15	14	10	7	7	0	0	0	0	0	0	0	0	0	0	0
Montana	57	47	45	45	44	49	46	45	45	43	43	45	43	41	25	43	47	49	49	52	55	56	56	54	54	54
Nebraska	79	78	62	74	76	96	85	68	76	72	85	78	45	65	68	53	59	60	62	62	71	70	78	80	74	74
New Mexico	2	1	1	1	0	1	1	1	2	2	2	2	1	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
Texas	29	20	23	21	20	34	23	18	24	20	24	25	29	32	38	37	37	32	33	35	41	31	40	39	25	25
Utah	29	25	22	18	17	23	18	10	13	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyoming	59	62	57	54	54	58	56	48	49	46	45	45	38	32	33	49	51	53	56	59	64	66	69	64	62	62
Region 4:																										
Idaho	169	164	173	144	91	156	139	107	132	126	138	144	136	143	144	152	160	162	166	177	166	195	200	204	201	201
Oregon	20	20	22	18	12	16	15	8	9	7	7	11	10	11	12	12	13	14	14	15	17	19	17	15	16	16
Washington	62	70	92	92	63	62	77	62	69	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
Region 5:																										
Arizona	12	10	13	10	to	17	17	13	15	11	9	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0
California	266	334	329	263	no	326	312	217	194	215	229	260	162	169	206	203	168	216	212	169	166	156	150	136	141	141
Other States	4	2	4	1	0	1	6	1	2	2	2	2	1	0	0	0	0	0	0	12	2	2	2	3	12	12
U.S. total	1,367	1,326	1,335	1,215	1,213	1,517	1,479	1,216	1,269	1,120	1,190	1,226	1,027	1,056	1,096	1,103	1,191	1,252	1,301	1,295	1,377	1,367	1,412	1,409	1,443	1,443

1/ Preliminary.

2/ Included with Other States.

Source: USDA.

Appendix table 2--U.S. sugar beets and beet sugar: Acreage, production, yield, and recovery rate

Crop year	Sugar beets					Beet sugar		
	Acreage		Production	Yield per acre		Production, raw value	Recovery rate	Yield per harvested acre, raw value
	Planted	Harvested		Planted	Harvested			
	----- 1,000 acres -----		1,000 tons	----- Tons -----		1,000 tons	Percent	Tons
1950	1,012	924	13,565	13.4	14.7	2,015	14.83	2.18
1951	763	696	10,497	13.8	15.1	1,541	14.66	2.21
<b>1952</b>	716	661	10,181	14.2	15.4	1,519	14.92	2.30
<b>1953</b>	815	765	12,507	15.4	16.3	1,873	14.97	2.45
1954	943	855	13,766	14.6	16.1	1,999	14.52	2.34
1955	802	744	12,238	15.3	16.4	1,730	14.14	2.33
1956	836	789	13,107	15.7	16.6	1,971	15.04	2.50
1957	921	882	15,640	17.0	17.7	2,213	14.15	2.51
1958	942	895	15,254	16.2	17.0	2,213	14.51	2.47
1959	940	897	16,757	17.8	18.7	2,302	13.74	2.57
1960	979	962	16,618	17.0	17.3	2,475	14.89	2.57
1961	1,146	1,091	17,927	15.6	16.4	2,431	13.56	2.24
1962	1,179	1,101	18,236	15.5	16.6	2,595	14.23	2.36
1963	1,300	1,249	23,406	18.0	18.7	3,086	13.19	2.47
1964	1,456	1,393	23,643	16.2	17.0	3,332	14.09	2.39
1965	1,308	1,240	20,470	15.6	16.5	2,816	13.76	2.27
1966	1,240	1,161	20,478	16.5	17.6	2,853	13.93	2.46
1967	1,210	1,136	19,598	16.2	17.3	2,694	13.74	2.37
1968	1,509	1,442	25,670	17.0	17.8	3,490	13.59	2.42
1969	1,670	1,563	28,737	17.2	18.4	3,472	12.08	2.22
1970	1,431	1,367	25,320	17.7	18.5	3,322	13.12	2.43
1971	1,389	1,325	26,867	19.3	20.3	3,512	13.07	2.65
1972	1,424	1,335	28,466	20.0	21.3	3,632	12.76	2.72
1973	1,277	1,215	24,569	19.2	20.2	3,216	13.09	2.65
1974	1,252	1,213	22,123	17.7	18.2	2,916	13.18	2.40
1975	1,595	1,517	29,704	18.6	19.6	4,019	13.53	2.65
1976	1,525	1,479	29,386	19.3	19.9	3,895	13.25	2.63
1977	1,273	1,216	25,007	19.6	20.6	3,108	12.43	2.56
1978	1,305	1,269	25,788	19.8	20.3	3,289	12.75	2.59
1979	1,161	1,120	21,996	18.9	19.6	2,879	13.09	2.57
1980	1,231	1,190	23,502	19.1	19.8	3,149	13.40	2.65
1981	1,252	1,228	27,538	22.0	22.4	3,388	12.30	2.76
1982	1,054	1,027	20,894	19.8	20.3	2,737	13.10	2.67
1983	1,081	1,056	20,992	19.4	19.9	2,699	12.86	2.56
1984	1,124	1,096	22,134	19.7	20.2	2,905	13.12	2.65
1985	1,125	1,102	22,529	20.0	20.4	3,000	13.32	2.72
1986	1,232	1,191	25,162	20.4	21.1	3,416	13.58	2.87
1987	1,267	1,252	26,072	22.2	22.4	3,998	14.24	3.19
1988	1,327	1,301	24,810	18.7	19.1	3,507	14.14	2.70
1989	1,324	1,295	25,131	19.0	19.4	3,442	13.70	2.66
1990	1,400	1,377	27,513	19.6	20.0	3,842	13.96	2.79
1991	1,427	1,387	28,203	19.8	20.3	3,729	13.22	2.69
1992	1,437	1,412	29,143	20.3	20.6	4,366	15.05	3.11
1993	1,438	1,409	26,249	18.3	18.6	4,047	15.42	2.87
1994 1/	1,476	1,443	32,008	21.7	22.2	4,650	14.53	3.22

1/ Forecast. Beet sugar production estimate is fiscal year basis.  
Source: USDA.

Appendix table 3--U.S. sugarcane: Acreage harvested for sugar, by area

Crop year	Mainland			All mainland	Hawaii 1/	Puerto Rico	U.S. total
	Florida	Louisiana	Texas				
	<i>1,000 acres</i>						
1950	37.4	273.0	n.a.	310.4	109.4	367.1	786.9
1951	38.9	258.0	n.a.	296.9	109.5	366.4	772.8
1952	42.8	275.0	n.a.	317.8	108.1	391.8	817.7
1953	44.5	260.0	n.a.	324.5	108.3	364.6	817.4
1954	38.6	247.0	n.a.	285.6	107.5	367.1	760.2
1955	34.8	232.0	n.a.	266.8	106.2	361.1	734.1
1956	30.1	204.0	n.a.	234.1	107.0	352.9	694.0
1957	32.6	226.0	n.a.	258.6	106.7	361.5	726.8
1958	34.4	219.0	n.a.	253.4	84.1	327.7	665.2
1959	46.4	250.0	n.a.	296.4	110.4	344.6	751.4
1960	48.9	255.0	n.a.	303.9	103.6	328.0	735.5
1961	56.1	277.0	n.a.	333.1	108.3	328.1	769.5
1962	114.3	254.3	n.a.	368.6	108.6	306.6	785.8
1963	139.9	295.5	n.a.	435.4	107.4	303.1	845.9
1964	219.8	325.3	n.a.	545.1	110.8	303.1	959.0
1965	185.4	266.3	n.a.	473.7	109.6	287.6	870.9
1966	190.7	286.5	n.a.	479.2	111.0	272.8	863.0
1967	190.6	293.8	n.a.	484.4	111.8	263.3	859.5
1968	181.4	282.4	n.a.	463.8	113.5	237.1	814.4
1969	153.6	236.0	n.a.	389.6	113.2	180.1	682.9
1970	171.3	266.0	n.a.	437.3	113.8	187.5	736.6
1971	189.9	301.0	n.a.	490.9	115.8	157.3	764.0
1972	243.8	312.0	n.a.	555.8	108.5	155.4	819.7
1973	257.6	319.0	18.2	594.8	108.2	137.6	840.6
1974	258.4	308.0	27.7	594.1	95.8	130.5	820.4
1975	286.6	308.0	35.0	629.6	105.1	127.7	862.4
1976	286.0	291.0	27.1	604.1	99.9	123.8	827.8
1977	285.0	304.0	33.5	622.5	96.8	114.8	834.1
1978	300.0	268.0	32.4	600.4	99.4	93.3	793.1
1979	318.2	240.0	30.9	589.1	100.6	86.8	776.5
1980	320.7	232.0	33.5	586.2	97.4	79.1	762.7
1981	334.4	247.0	36.6	618.0	97.6	74.1	789.7
1982	341.4	234.0	35.7	611.1	89.3	54.4	754.8
1983	361.1	245.0	34.5	640.6	92.8	54.4	787.8
1984	371.9	205.0	34.3	611.2	89.5	56.8	757.5
1985	383.4	226.0	30.4	639.8	83.0	51.9	774.7
1986	390.0	248.0	29.1	667.1	83.6	49.4	800.1
1987	402.0	263.0	33.8	698.8	79.5	56.8	835.1
1988	404.0	279.0	31.7	714.7	78.9	49.4	843.0
1989	405.0	290.0	33.6	728.6	74.7	44.5	847.8
1990	419.0	201.0	34.4	654.4	72.0	42.0	768.4
1991	428.0	321.0	33.2	782.2	67.4	34.6	884.2
1992	426.0	345.0	37.7	808.7	61.7	37.1	907.5
1993	425.0	360.0	43.5	828.5	64.8	33.6	926.9
1994 2/	428.0	352.0	42.5	822.5	61.5	29.9	913.9

n.a. = Not applicable.

1/ Calendar year.

2/ Preliminary.

Source: USDA.

Appendix table 4--U.S. cane sugar yield per acre

Crop year	Mainland			All mainland	Hawaii	Puerto Rico	U.S. total
	Florida	Louisiana	Texas				
<i>Short tons</i>							
1950	2.9	1.7	n.a.	1.8	8.8	3.4	3.5
1951	3.1	1.2	n.a.	1.4	9.1	3.7	3.6
1952	3.6	1.6	n.a.	1.9	9.4	3.0	3.4
1953	3.4	1.7	n.a.	1.9	10.1	3.1	3.6
1954	3.4	1.9	n.a.	2.1	10.0	3.2	3.8
1955	3.4	2.0	n.a.	2.2	10.7	3.2	3.9
1956	4.3	2.1	n.a.	2.4	10.3	2.8	3.8
1957	4.2	1.8	n.a.	2.1	10.2	2.6	3.5
1958	4.0	2.0	n.a.	2.3	9.1	3.3	3.7
1959	3.8	1.8	n.a.	2.1	8.8	3.0	3.5
1960	3.3	1.8	n.a.	2.1	9.0	3.4	3.6
1961	3.7	2.3	n.a.	2.6	10.1	3.1	3.8
1962	3.3	1.9	n.a.	2.3	10.3	3.2	3.8
1963	3.0	2.6	n.a.	2.7	10.3	3.3	3.9
1964	2.6	1.8	n.a.	2.1	10.6	3.0	3.4
1965	3.0	1.9	n.a.	2.3	11.1	3.1	3.7
1966	3.4	1.9	n.a.	2.5	11.1	3.0	3.8
1967	3.8	2.5	n.a.	3.0	10.7	2.4	3.8
1968	3.0	2.4	n.a.	2.6	10.9	2.0	3.6
1969	3.5	2.3	n.a.	2.8	10.4	2.6	4.0
1970	3.8	2.3	n.a.	2.9	10.2	1.7	3.7
1971	3.3	1.9	n.a.	2.5	10.6	1.9	3.6
1972	3.9	2.1	n.a.	2.9	10.3	1.6	3.7
1973	3.2	1.7	2.1	2.4	10.4	2.1	3.4
1974	3.1	1.9	2.7	2.5	10.9	2.3	3.4
1975	3.7	2.1	3.6	2.9	10.5	2.4	3.8
1976	3.3	2.2	3.5	2.8	10.5	2.2	3.6
1977	3.1	2.2	2.6	2.7	10.7	1.8	3.5
1978	3.2	2.1	1.9	2.6	10.4	2.1	3.5
1979	3.3	2.1	3.0	2.8	10.5	2.0	3.7
1980	3.5	2.1	2.8	2.9	10.5	1.9	3.8
1981	2.9	2.9	3.0	2.9	10.7	1.5	3.7
1982	3.8	2.9	2.7	3.4	11.0	1.8	4.2
1983	3.4	2.5	1.7	2.9	11.3	1.8	3.8
1984	3.8	2.2	2.4	3.2	11.9	1.9	4.1
1985	3.7	2.4	2.5	3.2	12.2	1.8	4.0
1986	3.8	2.7	3.1	3.4	12.5	1.9	4.2
1987	3.8	2.8	3.1	3.4	12.3	1.8	4.1
1988	3.9	2.9	3.4	3.5	11.8	1.9	4.1
1989	3.5	2.9	2.1	3.2	11.6	1.5	3.8
1990	4.3	2.2	2.6	3.6	11.4	1.6	4.2
1991	4.3	2.4	3.3	3.5	10.7	1.9	4.0
1992	4.0	2.5	3.6	3.4	10.6	1.7	3.8
1993	4.2	2.5	3.3	3.4	10.4	1.5	3.8
1994 1/	4.3	2.9	3.4	3.7	2/	1.5	3.9

n.a. = Not applicable.

1/ Preliminary.

2/ Current Hawaii sugar production estimate is fiscal year, for which no estimate of area harvested is available.

Source: USDA.

Appendix table 5--U.S. cane sugar production by area

Crop year	Mainland			All mainland	Hawaii 1/	Puerto Rico	U.S. total
	Florida	Louisiana	Texas				
	<i>1,000 short tons, raw value</i>						
1950	106	456	n.a.	564	961	1,238	2,763
1951	122	297	n.a.	419	996	1,372	2,787
1952	154	451	n.a.	605	1,020	1,182	2,807
1953	151	479	n.a.	632	1,099	1,204	2,935
1954	132	478	n.a.	610	1,077	1,166	2,853
1955	119	455	n.a.	574	1,140	1,152	2,866
1956	129	432	n.a.	661	1,109	990	2,651
1957	136	396	n.a.	534	1,085	934	2,553
1958	136	443	n.a.	579	765	1,087	2,431
1959	175	441	n.a.	616	975	1,019	2,610
1960	160	470	n.a.	630	936	1,110	2,676
1961	208	650	n.a.	858	1,092	1,009	2,959
1962	380	472	n.a.	852	1,120	989	2,961
1963	424	759	n.a.	1,183	1,101	989	3,273
1964	574	573	n.a.	1,147	1,179	897	3,223
1965	554	550	n.a.	1,104	1,218	883	3,205
1966	652	562	n.a.	1,214	1,234	818	3,266
1967	717	740	n.a.	1,457	1,191	645	3,293
1968	546	669	n.a.	1,215	1,232	484	2,931
1969	535	537	n.a.	1,072	1,182	460	2,714
1970	652	602	n.a.	1,254	1,162	324	2,740
1971	635	571	n.a.	1,206	1,230	299	2,735
1972	961	660	n.a.	1,621	1,119	255	2,995
1973	824	558	38	1,420	1,129	291	2,840
1974	803	594	74	1,471	1,041	303	2,815
1975	1,061	640	126	1,827	1,107	312	3,246
1976	930	650	94	1,674	1,050	267	2,991
1977	894	666	88	1,650	1,034	204	2,886
1978	972	550	61	1,583	1,029	194	2,806
1979	1,047	500	93	1,640	1,060	177	2,877
1980	1,121	491	93	1,705	1,023	153	2,881
1981	963	712	110	1,785	1,048	114	2,947
1982	1,307	675	98	2,080	983	100	3,163
1983	1,223	603	60	1,886	1,044	97	3,027
1984	1,412	452	81	1,945	1,062	109	3,116
1985	1,413	532	76	2,021	1,012	96	3,129
1986	1,476	671	91	2,238	1,043	96	3,377
1987	1,517	731	106	2,354	979	101	3,434
1988	1,566	797	107	2,470	928	91	3,489
1989	1,399	844	69	2,312	864	68	3,244
1990	1,806	438	88	2,332	820	74	3,226
1991	1,833	762	111	2,706	724	67	3,497
1992	1,710	876	135	2,721	652	64	3,437
1993	1,770	890	145	2,805	677	51	3,533
1994 2/	1,840	1,020	145	3,005	540	45	3,590

n.a. = Not applicable.

1/ Calendar year until 1994.

2/ Estimate. Beginning with 1994, the 1994 crop equals the 1994/95 fiscal year.

Source: USDA.

Appendix table 6--U.S. cane sugar recovery rates 1/

Crop year	Mainland			All mainland	Hawaii 2/	Puerto Rico	U.S. total
	Florida	Louisiana	Texas				
	<i>Percent</i>						
1950	9.24	8.58	n.a.	8.70	11.76	11.79	10.93
1951	9.68	6.65	n.a.	7.32	11.75	10.94	11.28
1952	10.30	7.96	n.a.	8.45	11.73	11.62	9.89
1953	10.39	8.32	n.a.	8.76	12.21	11.07	11.12
1954	10.49	8.50	n.a.	8.86	11.42	11.81	10.49
1955	10.26	8.04	n.a.	8.42	11.55	11.18	10.79
1956	10.78	8.97	n.a.	9.33	11.10	11.37	10.11
1957	10.01	7.96	n.a.	8.43	11.48	10.30	10.42
1958	10.44	9.08	n.a.	9.37	10.13	10.66	10.66
1959	9.88	8.69	n.a.	9.00	10.35	10.19	9.87
1960	10.30	8.42	n.a.	8.83	10.87	10.32	10.39
1961	10.22	9.13	n.a.	9.37	11.38	10.44	10.03
1962	9.38	8.88	n.a.	9.10	11.41	9.77	10.27
1963	9.54	8.87	n.a.	9.10	10.97	10.09	9.87
1964	8.91	7.76	n.a.	8.30	11.23	10.19	9.45
1965	10.06	8.41	n.a.	9.16	11.34	9.33	10.14
1966	10.76	8.56	n.a.	9.62	11.25	10.02	9.88
1967	10.96	9.12	n.a.	9.94	10.78	9.79	9.73
1968	10.17	9.07	n.a.	9.53	10.92	8.20	9.57
1969	10.29	9.46	n.a.	9.86	10.91	7.69	9.83
1970	11.50	8.69	n.a.	9.95	11.11	7.07	9.44
1971	10.54	8.87	n.a.	9.68	11.51	6.82	9.86
1972	10.35	8.23	n.a.	9.36	11.27	7.04	10.46
1973	10.19	8.49	6.13	9.29	11.71	8.12	9.95
1974	10.72	9.06	8.24	9.84	11.46	8.58	10.19
1975	10.49	9.89	10.19	10.25	11.67	8.59	10.53
1976	9.97	8.72	9.68	9.43	11.45	8.40	9.79
1977	10.53	9.19	9.00	9.86	11.50	7.19	9.99
1978	10.61	10.09	6.43	10.17	11.11	8.48	10.15
1979	10.50	10.10	10.90	10.39	11.00	7.94	10.39
1980	11.23	9.07	9.60	10.42	11.10	7.52	10.36
1981	10.10	10.71	9.53	10.30	11.87	7.19	10.45
1982	10.81	10.47	8.87	10.59	11.16	7.07	10.53
1983	10.79	10.31	5.48	10.32	11.70	8.02	10.58
1984	11.68	10.02	8.46	11.08	12.56	8.59	11.45
1985	11.20	9.80	8.30	10.66	12.78	8.32	11.12
1986	11.43	9.91	10.45	10.89	12.45	7.94	11.20
1987	11.68	12.24	10.08	11.76	12.22	7.30	11.66
1988	12.27	11.30	10.12	11.83	12.20	7.52	11.75
1989	11.00	11.34	8.31	11.02	12.20	7.92	11.21
1990	12.14	10.55	9.64	11.70	12.54	7.95	11.77
1991	12.27	10.75	10.32	11.71	12.36	8.33	11.75
1992	12.09	10.94	10.47	11.61	12.01	8.00	11.58
1993	12.20	10.83	10.27	11.62	12.29	8.07	11.67
1994 3/	12.17	12.07	10.36	12.04	12.28	8.07	11.61

n.a. = Not applicable.

1/ Recovery rate is equal to sugar produced, divided by sugarcane processed, expressed as a percent.

2/ Calendar year, except fiscal year in 1994.

3/ Preliminary. 1994 estimate is fiscal year 1994/95.

Source: USDA.

Appendix table 7--U.S. sugarcane: Production for sugar by area

Crop year	Mainland			All mainland	Hawaii 1/	Puerto Rico	U.S. total
	Florida	Louisiana	Texas				
<i>1,000 short tons</i>							
1950	1,169	5,312	n.a.	6,481	8,175	10,615	25,271
1951	1,260	4,463	n.a.	5,723	8,477	10,501	24,701
1952	1,495	5,667	n.a.	7,162	8,694	12,537	28,393
1953	1,453	5,759	n.a.	7,212	9,004	10,171	26,387
1954	1,258	5,625	n.a.	6,883	9,432	10,880	27,195
1955	1,160	5,661	n.a.	6,821	9,868	9,873	26,562
1956	1,197	4,617	n.a.	6,014	9,910	10,306	26,230
1957	1,358	4,976	n.a.	6,334	9,448	8,709	24,491
1956	1,303	4,879	n.a.	6,182	7,553	9,067	22,802
1959	1,771	5,073	n.a.	6,844	9,416	10,182	26,442
<b>1960</b>	1,554	5,583	n.a.	7,137	8,613	10,001	25,751
1961	2,036	7,116	n.a.	9,154	9,595	10,754	29,503
1962	4,050	5,315	n.a.	9,365	9,813	9,663	28,841
1963	4,446	8,554	n.a.	13,000	10,034	10,123	33,157
1964	6,439	7,383	n.a.	13,822	10,495	9,802	34,119
1965	5,505	6,542	n.a.	12,047	10,738	8,807	31,592
1966	6,057	6,563	n.a.	12,620	10,970	9,465	33,055
1967	6,542	8,111	n.a.	14,653	11,046	8,160	33,859
1966	5,368	7,377	n.a.	12,745	11,280	6,590	30,615
1969	5,199	5,676	n.a.	10,875	10,839	5,902	27,616
1970	5,671	6,927	n.a.	12,598	10,457	5,981	29,036
1971	6,022	6,438	n.a.	12,460	10,685	4,582	27,727
1972	9,288	8,022	n.a.	17,310	9,929	1,382	28,621
1973	6,069	6,570	620	15,279	9,645	3,621	28,545
1974	7,494	6,558	898	14,950	9,081	3,585	27,616
1975	10,117	6,468	1,236	17,821	9,485	3,533	30,839
1976	9,324	7,451	971	17,746	9,173	3,630	30,549
1977	6,493	7,265	978	16,736	8,994	3,177	28,907
1976	9,160	5,449	949	15,558	9,263	2,835	27,656
1979	9,975	4,950	853	15,778	9,632	2,288	27,698
1980	9,985	5,414	969	16,368	9,214	2,235	27,817
1981	9,530	6,650	1,154	17,334	8,831	2,038	28,203
1982	12,086	6,450	1,105	19,641	8,808	1,580	30,029
1983	11,330	5,850	1,095	18,275	8,926	1,419	28,620
1984	12,067	4,510	957	17,554	8,454	1,209	27,217
1985	12,615	5,430	916	18,961	7,916	1,271	28,148
1986	12,916	6,770	871	20,557	8,379	1,208	30,144
1987	12,990	5,970	1,052	20,012	8,014	1,389	29,415
1988	12,766	7,050	1,057	20,873	7,606	1,217	29,696
1989	12,717	7,440	830	20,987	7,082	863	28,932
1990	14,674	4,150	913	19,937	6,538	929	27,404
1991	14,937	7,090	1,076	23,103	5,857	807	29,767
1992	14,143	8,010	1,290	23,443	5,430	799	29,672
1993	14,512	8,220	1,412	24,144	5,508	628	30,280
1994 2/	15,120	8,448	1,301	24,869	5,504	560	30,933

n.a. = Not applicable.

1/ Calendar year.

2/ Preliminary.

Source: USDA.

Appendix table 8--U.S. sugarcane: Yield per harvested acre for sugar by area

Crop year	Mainland			All mainland	Hawaii 1/	Puerto Rico	United States
	Florida	Louisiana	Texas				
	<i>Tons 2/</i>						
1950	31.3	19.5	n.a.	20.9	74.7	28.6	32.1
1951	32.4	17.3	n.a.	19.3	77.4	34.2	32.0
1952	34.9	20.6	n.a.	22.5	80.4	26.0	34.7
1953	32.7	20.6	n.a.	22.2	83.1	28.3	32.3
1954	32.6	22.8	n.a.	24.1	87.7	26.9	35.8
1955	33.3	24.4	n.a.	25.6	92.9	28.5	36.2
1956	39.8	23.6	n.a.	25.7	92.6	24.7	37.8
1957	41.7	22.0	n.a.	24.5	88.5	25.1	33.7
1958	37.9	22.3	n.a.	24.4	89.8	31.1	34.3
1959	38.2	20.3	n.a.	23.1	85.3	29.0	35.2
1960	31.8	21.9	n.a.	23.5	83.1	32.8	35.0
1961	36.3	25.7	n.a.	27.5	88.6	29.5	38.3
1962	35.4	20.9	n.a.	25.4	90.4	32.8	36.7
1963	31.8	28.9	n.a.	29.9	93.4	32.3	39.2
1964	29.3	22.7	n.a.	25.4	94.7	29.1	35.6
1965	29.7	22.7	n.a.	25.4	98.0	32.9	36.3
1966	31.8	22.7	n.a.	26.3	98.8	29.9	38.3
1967	34.3	27.6	n.a.	30.2	98.8	25.0	39.4
1968	29.6	26.1	n.a.	27.5	99.4	24.9	37.6
1969	33.8	24.1	n.a.	27.9	95.8	33.2	40.4
1970	33.1	26.0	n.a.	28.8	91.9	24.4	39.3
1971	31.7	21.4	n.a.	25.4	92.3	27.9	36.3
1972	38.1	25.7	n.a.	31.1	91.5	23.3	34.9
1973	31.4	20.6	34.1	25.7	89.1	26.1	34.0
1974	29.0	21.3	32.4	25.2	94.8	27.1	33.7
1975	35.3	21.0	35.3	28.3	90.2	28.4	35.8
1976	32.6	25.6	35.8	29.4	91.8	25.7	36.9
1977	29.8	23.9	29.2	26.9	92.9	24.7	34.7
1978	30.5	20.3	29.3	25.9	93.2	24.5	34.9
1979	31.3	20.6	27.6	26.8	95.7	25.8	35.7
1980	31.1	23.3	28.9	27.9	94.6	25.8	36.5
1981	28.5	26.9	31.5	28.0	90.5	21.3	35.7
1982	35.4	27.6	31.0	32.1	98.6	26.1	39.8
1983	31.4	23.9	31.7	28.5	96.2	22.3	36.3
1984	32.5	22.0	27.9	28.7	94.5	22.4	35.9
1985	32.9	24.0	30.1	29.6	95.4	22.2	36.3
1986	33.1	27.3	29.9	30.8	100.2	24.4	37.7
1987	32.3	22.7	31.1	28.6	100.8	24.4	35.2
1988	31.6	25.3	33.3	29.2	96.4	24.6	35.2
1989	31.4	25.7	24.7	28.8	94.8	19.4	34.1
1990	33.5	20.6	26.5	30.5	90.8	22.1	35.7
1991	34.9	22.1	32.4	29.5	66.9	23.3	33.7
1992	33.2	23.2	34.2	29.0	88.0	21.6	32.7
1993	34.1	22.8	32.5	29.1	85.0	18.7	32.7
<b>1994</b>	<b>35.3</b>	<b>24.0</b>	<b>30.6</b>	<b>30.2</b>	<b>89.5</b>	<b>18.7</b>	<b>33.8</b>

n.a. = Not applicable.

1/ Calendar year.

2/ Net tons.

Source: USDA.



Appendix table 9--Sugarcane processors: Company, factory location and capacity

Company	Factory location	Grinding capacity			
		1982	1988	1992	1993
<i>Short tons</i>					
Florida:					
Atlantic Sugar Association	Belle Glade	10,000	12,000	12,000	17,000
Okeelanta Sugar Corporation	South Bay	20,000	20,500	20,000	22,000
Osceola Farms Copmany	Canal Point	7,800	12,000	12,000	11,000
Sugarcane Growers Coop. of Florida	Belle Glade	21,000	21,000	21,000	21,000
United States Sugar Corporation	Clewiston	14,500	22,000	24,000	22,000
	Bryant	14,500	17,000	18,750	16,000
Talisman Sugar Corp.	South Bay	10,000	11,000	11,000	10,000
Total		97,800	115,500	118,750	119,000
Average		13.971	16,500	16,964	17,000
Texas:					
Rio Grande Valley Sugar Coop.	Santa Rosa	<b>9,500</b>	10,000	10,000	10,000
Louisiana:					
Alma Plantation, Ltd.	Lakeland	5,500	5,800	7,000	7,000
Breaux Bridge Sugar Coop., Inc. 1/	Breaux Bridge	2,900	3,200	4,800	4,800
Caire & Graugnard	Edgard	1,800	2,000	2,200	2,200
Cajun Sugar Coop., Inc.	New Iberia	5,500	6,000	8,000	8,000
Caldwell Sugars, Coop., Inc.	Thibodaux	6,000	6,000	6,800	6,800
Cinclare Central Factory	Brusly	3,100	4,200	5,500	5,500
Cora-Texas Mfg., Co.. Inc.	White Castle	6,450	9,000	11,000	11,000
Dugas & LeBlanc. Ltd.	Paincourtville	4,550	5,936	6,600	6,600
Evan Hall Sugar Coop., Inc.	McCall	5,600	6,000	7,500	7,500
Helevetia Sugar Coop., Inc.	<b>Conver</b>	3,000	---	---	---
Glenwood Coop., Inc.	<b>Napoleonville</b>	4,900	5,550	5,600	5,600
Iberia Sugar Coop., Inc.	New Iberia	4,250	5,500	6,500	6,500
Jeanerette Sugar Co., Inc.	Jeanerette	4,500	5,000	6,500	6,500
LaFourche Sugar Corp.	Thibodaux	8,000	8,500	9,000	9,000
Meeke Sugar Coop., Inc.	Lecompte	4,000	---	---	---
M.A. Patout & Sons Ltd.	Jeanerette	7,000	9,000	14,500	14,500
Raceland Factory	<b>Raceland</b>	7,500	8,500	9,500	9,500
St. Martin Sugar Coop., Inc. 1/	St. Martinville	4,350	4,650	5,200	5,200
St. James Sugar Coop., Inc.	St. James	5,500	6,000	7,000	7,000
St. Mary Sugar Coop., Inc.	Jeanerette	4,250	5,000	5,500	5,500
Savoie Industries, Inc.	Belle Rose	4,500	6,000	6,800	6,800
Smithfield Sugar Coop.. Inc.	Port Allen	3,800	---	---	---
Sterling Sugars, Inc.	Franklin	7,500	7,500	9,500	9,500
Teche Sugar Company	Franklin	4,500	4,500	---	---
Total		118,950	123,836	145,000	145,000
Average		4,956	5,897	7,250	7,250
Hawaii:					
Alexander & Baldwin, Inc.					
Hawaiian Commercial & Sugar Co.	Puunene, Maui	8,300	8,300	8,300	8,300
	Paia, Maui	4,700	4,700	4,700	4,700
McBryde Sugar, Co., Ltd.	Kola, Kauai	3,200	3,200	3,200	3,200
Amfac, Inc.					
Kekaha Sugar Co., Ltd.	Kekaha, Kauai	3,000	3,000	3,000	3,000
The Lihue Plantation Co., Ltd.	Lihue, Kauai	4,700	4,700	4,700	4,700
Oahu Sugar Co., Ltd.	Waipahu, Oahu 2/	6,000	6,000	6,000	6,000
Pioneer Mill Co., Ltd.	Lahaina, Maui	2,800	2,800	2,800	2,800
Puna Sugar	Puna, Hawaii 3/	4,000	---	---	---
C. Brewer and Co., Ltd					
Hilo Coast Processing Co.	Pepeekeo, Hawaii 4/	4,700	4,700	4,700	4,700
Ka'u Sugar Co., Inc.	Pahala, Hawaii 5/	2,900	2,900	2,900	2,900
Olokele Sugar Co., Inc.	Kaunakani, Kauai	2,800	2,800	2,800	2,800
Castle and Cooke, Inc.					
Waialua Sugar Co.	Waialua, Oahu 5/	5,000	5,000	5,000	5,000
Hamakua Sugar Co.	Haina, Hawaii 4/	4,200	8,000	8,000	8,000
	Ookala, Hawaii 6/	4,300	---	---	---
Total		60,600	56,100	56,100	56,100
Average		4,329	4,675	4,675	4,675
Total United States		286,850	305,436	329,850	330,100

--- = Closed down. 1/ Breaux Bridge and St. Martin merged into Louisiana Sugarcane Cooperative, Inc.. October 1, 1993. 2/ Schedule to close April, 1995. 3/ Puna mill closed in 1982. 4/ Closed September/October 1994. 5/ Scheduled to close in 1996 or 1997. 6/ Ookala mill closed in 1987. Source: Florida Sugarcane League, American Sugarcane League, Hawaii Sugar Planters Association.

Appendix table 10--U.S. raw sugar prices, duty fee-paid, New York, monthly, quarterly, and fiscal and calendar years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
<i>Cents/lb</i>																		
1980	19.66	24.69	21.18	22.67	31.89	32.10	28.75	33.13	36.03	41.69	39.28	30.29	21.84	28.89	32.64	37.09	30.11	25.05
1981	29.61	26.07	23.81	19.91	17.43	18.95	19.09	17.42	15.49	15.66	16.28	17.07	26.50	18.76	17.33	16.34	19.73	24.92
1982	18.16	17.77	17.13	17.89	19.57	21.03	22.15	22.45	20.88	20.44	20.79	20.83	17.69	19.50	21.83	20.69	19.92	18.84
1983	21.23	21.76	21.86	22.43	22.59	22.54	22.09	22.55	22.20	21.94	21.83	21.47	21.62	22.52	22.28	21.75	22.04	21.78
1984	21.51	21.90	22.00	22.03	22.01	22.06	21.89	21.72	21.70	21.56	21.40	21.10	21.80	22.03	21.77	21.35	21.74	21.84
1985	20.72	20.38	20.91	20.97	21.09	21.27	21.23	20.59	19.51	18.68	18.89	19.89	20.67	21.11	20.44	19.15	20.34	20.89
1986	20.67	21.01	20.95	20.85	20.88	20.99	20.97	29.87	20.87	21.08	21.17	21.12	20.88	20.91	20.90	21.12	20.95	20.46
1987	21.50	21.76	21.76	21.81	22.01	22.06	22.07	21.88	21.88	21.69	21.75	21.76	21.67	21.96	21.94	21.73	21.83	21.68
1988	21.83	22.11	22.16	22.16	22.13	22.54	23.43	21.90	21.77	21.74	21.70	21.99	22.03	22.28	22.37	21.81	22.12	22.10
1989	21.88	22.07	22.12	22.30	22.45	22.99	23.56	23.57	23.50	23.14	23.24	22.84	22.02	22.58	23.54	23.07	22.81	22.49
1990	23.11	22.93	23.58	23.81	23.58	23.33	23.42	23.27	23.23	23.29	23.15	22.47	23.21	23.57	23.31	22.97	23.26	23.29
1991	21.86	21.42	21.46	21.23	21.29	21.42	21.25	21.83	22.06	21.76	21.75	21.50	21.58	21.31	21.71	21.67	21.57	21.89
1992	21.38	21.56	21.36	21.38	21.04	20.92	21.10	21.34	21.55	21.61	21.39	21.11	21.43	21.11	21.33	21.37	21.31	21.39
1993	20.76	21.16	21.56	21.76	21.36	21.42	21.89	21.85	21.97	21.80	21.87	22.00	21.16	21.51	21.90	21.89	21.62	21.49
1994	22.00	21.95	21.95	22.08	22.18	22.44	22.72	21.84	21.78	21.58	21.57	22.35	21.97	22.23	22.11	21.83	22.04	22.05

Source: New York, Coffee, Sugar and Cocoa Exchange, Inc.

Appendix table 11--U.S. wholesale refined beet sugar prices, Midwest markets, monthly, quarterly, and fiscal and calendar years 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
<i>Cents/lb</i>																		
1980	25.02	31.30	29.81	29.81	37.90	41.19	38.04	41.33	44.14	51.77	49.37	39.85	28.71	36.30	41.17	47.00	38.29	31.86
1981	38.30	35.80	32.40	29.40	26.00	27.00	26.40	26.20	23.70	24.40	24.40	25.10	35.50	27.47	25.43	24.63	28.26	33.85
1982	27.50	27.50	27.50	27.50	26.80	26.00	27.00	28.60	29.00	28.00	28.00	28.00	27.50	26.77	28.20	28.00	27.62	26.78
1983 2/	24.00	24.00	25.60	26.00	26.50	26.50	26.88	27.00	27.00	26.69	26.50	26.50	24.53	26.33	26.96	26.56	26.10	26.46
1984	26.85	26.50	26.50	26.50	26.50	26.25	25.75	25.31	25.00	24.60	24.12	24.00	26.62	26.42	25.35	24.24	25.66	26.24
1985	23.50	23.42	23.00	23.12	23.55	23.12	23.25	23.50	23.44	23.13	22.50	22.62	23.31	23.26	23.40	22.75	23.18	23.55
1986	23.45	23.31	23.25	23.50	23.30	23.00	23.25	24.10	24.19	23.50	22.81	22.88	23.34	23.27	23.85	23.06	23.38	23.30
1987	23.30	23.50	23.50	23.50	24.15	24.31	24.50	24.50	24.00	22.85	22.50	22.55	23.43	23.99	24.33	22.63	23.60	23.70
1988	22.75	22.75	22.75	23.45	24.19	25.25	27.10	27.75	27.50	27.25	26.75	27.80	22.75	24.30	27.45	27.27	25.44	24.28
1989	28.75	29.00	29.50	29.50	29.50	29.30	28.81	28.76	28.45	27.63	29.00	30.50	29.08	29.43	28.67	29.04	29.06	28.61
1996	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	29.13	28.60	27.38	30.50	30.50	30.50	28.37	29.97	30.14
1991	26.88	26.50	26.50	26.13	26.00	25.75	25.50	25.50	25.00	24.94	24.60	24.50	26.63	25.96	25.33	24.68	25.65	26.57
1992	25.40	26.50	26.50	26.50	26.40	26.00	25.00	25.00	25.00	24.90	24.13	23.90	26.13	26.30	25.00	24.31	25.44	25.53
1993	23.25	23.00	23.00	23.50	23.50	23.50	25.50	27.75	27.50	27.50	27.25	26.50	23.08	23.50	26.92	27.08	25.15	24.45
1994	25.75	25.50	25.50	24.50	24.75	25.25	25.00	25.00	24.70	25.00	25.38	25.50	25.58	24.83	24.90	25.29	25.15	25.60

Note: Revised price series beginning July 1986. 1/ These are f.o.b. basis prices, not delivered prices. To obtain delivered prices, add freight prepaids and deduct discounts and allowances. Starting with 1982, prices are for bulk; prior years are for 100-pound paper bags. 2/ Starting 1983, prices are estimated market prices. Source: Milling & Baking News.

Appendix table 12--U.S. retail refined sugar prices, United States, monthly, quarterly, and by fiscal and calendar years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
<i>Cents/lb</i>																		
1980	27.30	30.10	35.50	36.80	38.00	43.00	46.50	46.20	47.70	50.30	55.00	56.50	30.97	39.27	46.80	53.93	42.74	35.56
1981	53.80	52.30	49.10	44.60	39.50	36.90	35.50	35.10	34.60	33.50	32.70	32.50	51.73	40.33	35.07	32.90	40.01	45.27
1982	32.70	33.90	34.30	33.80	33.50	34.10	34.80	32.50	35.60	35.50	35.50	35.20	33.63	33.80	34.30	35.40	34.28	33.66
1983	36.00	35.50	35.70	35.80	35.50	35.90	36.50	36.50	36.50	36.50	36.70	37.00	35.73	35.73	36.50	36.73	36.18	35.84
1984	36.40	36.40	36.60	36.60	36.70	36.50	35.80	35.80	36.40	36.50	36.20	36.00	36.47	36.60	36.00	36.23	36.33	36.45
1985	35.90	36.00	35.80	35.60	35.40	34.60	35.20	35.40	35.40	35.10	35.00	34.70	35.90	35.20	35.33	34.93	35.34	35.67
1986	35.20	35.30	35.40	35.40	35.50	35.30	34.80	34.80	34.90	34.70	34.90	34.80	35.30	35.40	34.83	34.80	35.08	35.12
1987	35.20	34.90	34.90	34.50	35.30	35.10	34.90	35.50	35.90	35.90	35.70	35.60	35.00	34.97	35.43	35.73	35.28	35.05
1988	35.80	35.70	35.70	35.50	35.60	35.70	36.10	37.00	37.60	38.00	38.10	38.40	35.73	35.60	36.90	38.17	36.60	35.99
1989	38.90	39.20	39.90	39.90	39.90	39.80	40.20	40.30	40.50	40.70	40.40	40.60	39.33	39.87	40.33	40.57	40.03	39.43
1990	41.80	41.90	42.70	42.80	43.00	42.70	42.70	43.30	43.40	43.20	42.90	42.90	42.13	42.83	43.13	43.00	42.78	42.17
1991	43.40	43.00	43.40	43.30	43.10	43.20	43.50	42.80	42.20	42.00	41.90	41.80	43.27	43.20	42.83	41.90	42.80	43.08
1992	42.50	42.40	41.90	41.70	41.70	41.50	41.50	41.10	41.00	41.20	41.20	40.60	42.27	41.63	41.20	41.00	41.53	41.75
1993	41.20	41.00	40.60	40.80	40.80	40.30	40.20	40.60	40.40	40.50	40.30	39.80	40.93	40.63	40.40	40.20	40.54	40.74
1994	40.70	40.50	40.10	39.90	40.10	39.70	40.00	39.70	40.30	40.20	39.50	39.20	40.43	39.90	40.00	39.63	39.99	40.13

Source: U.S. Department of Labor, Bureau of Labor Statistics,

Appendix table 13--Cost of producing and processing beet sugar in the United States, 1981-92 crops

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>Cents/lb. refined sugar, bulk basis</i>												
Production: 1/												
Variable	6.9	7.2	7.5	7.0	6.7	6.3	5.7	7.5	7.9	7.7	8.3	7.2
Fixed, net of interest	2.2	2.3	2.7	2.5	2.4	2.4	2.4	1.6	1.7	1.6	1.6	1.5
Fixed, interest only	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.3	1.4	1.4	1.3	1.0
Capital replacement	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.3	1.4	1.4	1.5	1.2
Operating capital	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.4	0.3	0.2	0.1
Nonland capital	0.4	0.5	0.5	0.5	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.1
Land	1.5	2.0	2.0	1.9	2.0	2.1	2.0	2.8	3.2	2.5	2.9	3.3
Unpaid labor	n.a.		n.a.		n.a.	n.a.	n.a.	0.6	0.7	0.7	0.7	0.8
Total economic costs 2/	11.5	12.3	13.0	11.5	11.5	11.1	10.4	14.5	15.6	14.7	15.7	14.3
Processing: 3/												
Variable	10.7	11.1	9.5	9.4	9.0	8.4	7.6	8.2	8.7	8.7	8.8	7.8
Fixed	2.0	2.4	1.6	1.7	1.5	1.3	1.2	1.4	1.3	1.3	1.4	1.3
General and administrative	0.8	1.0	0.8	0.7	0.7	0.7	0.6	0.7	0.8	0.7	0.7	0.7
Pulp drying and marketing	1.6	1.8	1.6	1.6	1.5	1.4	1.2	1.3	1.3	1.3	1.4	1.3
Total	15.1	16.4	13.4	13.4	12.7	11.8	10.6	11.5	12.2	12.0	12.3	11.0
Total production and processing	26.5	28.7	26.3	25.6	24.3	22.9	21.0	26.0	27.8	26.7	28.0	25.3
Credits:												
Dried pulp	1.9	2.3	2.7	2.6	2.4	2.0	2.1	2.7	2.7	3.1	3.1	2.4
Molasses	0.8	0.7	0.8	0.8	0.7	0.8	0.6	0.9	0.9	0.7	0.7	0.8
Other	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total	2.8	3.2	3.7	3.5	3.2	3.0	2.9	3.7	3.8	4.0	4.0	3.3
Net production and processing	23.7	25.5	22.6	22.1	21.0	19.9	18.2	22.3	24.0	22.7	24.0	22.0

n.a. = Not applicable. 1/ Cost of producing sugar beets at farm level. 2/ Excludes interest. 3/ Cost of processing sugar beets into refined sugar. Source: USDA.

Appendix table 14--Variable and fixed costs of producing and processing beet sugar in the United States, 1981-92 crops

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>Cents/lb. refined sugar, bulk basis</i>												
Production:												
Variable 1/	7.4	7.6	7.8	7.3	6.9	6.4	5.8	8.4	8.9	8.7	9.3	8.1
Fixed 2/	4.1	4.8	5.2	4.9	4.6	4.7	4.6	6.1	6.7	5.9	6.4	6.1
Total	11.5	12.3	13.0	12.2	11.5	11.1	10.4	14.5	15.6	14.7	15.7	14.3
Processing:												
Variable 3/	9.0	9.2	6.9	7.0	6.9	6.3	5.6	5.4	5.9	5.6	5.8	5.4
Fixed 4/	3.3	4.0	2.8	2.9	2.6	2.4	2.1	2.4	2.5	2.4	2.5	2.3
Total	12.2	13.2	9.7	9.9	9.5	8.8	7.7	7.8	8.4	8.0	8.3	7.7
Total production and processing	23.7	25.5	22.6	22.1	21.0	19.9	18.2	22.3	24.0	22.7	24.0	22.0
Total variable costs	16.4	16.8	14.6	14.3	13.8	12.7	11.4	13.7	14.8	14.3	15.1	13.5
Total fixed costs	7.3	8.8	8.0	7.8	7.3	7.1	6.8	8.6	9.2	8.4	8.9	8.5

1/ Sum of variable and operating capital costs. 2/ Sum of fixed, nonland capital, and land costs. 3/ Sum of variable and 70 percent of dried pulp costs, net of byproduct credits. 4/ Sum of fixed, general and administrative, and 30 percent of dried pulp costs. Source: USDA.

Appendix table 15--Cost of producing and processing 96-degree raw cane sugar in the United States, 1981-92 crops

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	<i>Cents/lb, raw value</i>											
Production: 1/												
Variable	8.9	8.9	9.4	8.7	8.4	7.8	7.6	7.7	8.5	8.2	8.2	8.2
Fixed, net of interest	2.0	2.0	2.2	2.2	2.2	2.1	2.1	1.3	1.4	1.3	1.4	1.3
Fixed, interest	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.1	0.1	0.1	0.1	0.4
Capital replacement	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.7	0.7	0.7	0.7	0.7
Operating capital	0.8	0.6	0.5	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1
Nonland capital	0.6	0.6	0.5	0.6	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.2
Land	2.0	1.8	1.9	1.7	1.9	1.9	1.9	1.8	2.0	1.6	1.8	1.9
Hauling allowance	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Unpaid labor	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.2	0.3	0.3	0.3	0.2
Total economic costs 2/	14.1	13.7	14.3	13.6	13.1	12.2	12.1	12.3	13.7	12.7	13.0	12.7
Processing: 3/												
Variable	6.5	6.5	6.5	6.5	6.4	6.1	6.0	6.2	6.6	6.6	6.3	6.3
Fixed	1.8	1.7	1.7	1.7	1.6	1.4	1.3	1.3	1.4	1.3	1.3	1.2
General and administrative	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
Total	9.0	8.7	8.8	8.9	8.6	8.1	7.9	8.1	8.7	8.7	8.2	8.2
Total production and processing	23.1	22.5	23.1	22.5	21.7	20.3	19.9	20.4	21.4	21.4	21.3	20.9
Credits:												
Molasses	0.8	0.6	1.0	0.6	0.8	0.8	0.7	0.8	0.8	0.9	0.8	0.7
Bagasse	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3
Total	1.2	0.9	1.4	0.9	1.2	1.1	1.1	1.2	1.2	1.3	1.2	1.1
Net production and processing	21.9	21.5	21.7	21.5	20.6	19.2	18.9	19.2	21.2	20.1	20.0	19.9

n.a. = Not applicable. 1/ Cost of producing sugarcane at farm level. 2/ Excludes interest. 3/ Cost of processing sugarcane into raw cane sugar. Source: USDA.

Appendix table 16--Variable and fixed costs of producing and processing raw cane sugar in the United States, 1981-92 crops

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	<i>Cents/lb. raw value</i>											
Production:												
Variable 1/	9.5	9.4	9.7	9.1	8.6	7.9	7.7	8.2	9.2	8.8	8.8	8.6
Fixed 2/	4.6	4.3	4.6	4.5	4.5	4.3	4.3	4.1	4.5	3.9	4.2	4.1
Total	14.1	13.7	14.3	13.6	13.1	12.2	12.1	12.3	13.7	12.7	13.0	12.7
Processing:												
Variable 3/	5.3	5.5	5.1	5.6	5.2	5.0	4.9	5.0	5.4	5.3	5.1	5.2
Fixed 4/	2.4	2.3	2.3	2.4	2.2	2.0	1.9	1.9	2.1	2.0	2.0	1.9
Total	7.7	7.8	7.4	7.9	7.5	7.0	6.8	6.9	7.5	7.4	7.0	7.1
Total production and processing	21.9	21.5	21.7	21.5	20.6	19.2	18.9	19.2	21.2	20.1	20.0	19.9
Total variable costs	14.8	14.9	14.8	14.7	13.8	12.9	12.6	13.2	14.6	14.1	13.9	13.8
Total fixed costs	7.0	6.6	6.9	6.9	6.8	6.3	6.3	6.0	6.6	6.0	6.2	6.0

1/ Sum of variable and operating capital costs. 2/ Sum of fixed, nonland capital, and land costs. 3/ Variable costs net of byproduct credits 4/ Sum of fixed and general and administrative costs. Source: USDA.

Appendix table 17--Beet sugar grower and processor costs and returns, refined basis

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>Cents/lb, refined sugar, bulk basis</i>												
Production (grower):												
Returns 1/	12.70	14.47	15.42	13.82	13.57	14.12	14.37	15.59	16.45	16.46	15.58	14.72
Total costs	11.47	12.35	12.96	12.19	11.55	11.08	10.44	14.50	15.63	14.66	15.69	14.01
Net returns 2/	1.23	2.12	2.46	1.63	2.02	3.04	3.93	1.09	0.82	1.80	-0.11	0.71
Processing:												
Gross returns 3/	27.62	26.10	25.66	23.18	23.42	23.60	25.44	29.06	29.97	25.65	25.44	25.15
Processor share 4/ costs	14.92	11.63	10.24	9.38	9.85	9.48	11.07	13.47	13.52	9.19	9.86	10.43
Net returns 2/	2.68	-1.54	0.58	-0.51	0.36	0.71	3.34	5.65	5.15	1.17	1.58	2.76
Grower and processor	3.91	0.58	3.04	1.12	2.39	3.75	7.26	6.75	5.97	2.98	1.47	3.46

1/ Total value of crop, as reported by NASS, divided by sugar production (lbs refined).

2/ Returns minus total costs.

3/ Calendar year average for following year, Chicago Midwest refined beet sugar. For example 26.10 cents is average price for January-December 1983.

4/ Processor share of gross returns is equal to gross return minus payments to growers.

Source: USDA.

Appendix table 18--Cane sugar grower and processor costs and returns, 1981-92

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>Cents/lb, raw value</i>												
Production (cane grower):												
costs	14.12	13.73	14.29	13.61	13.10	12.24	12.07	12.27	13.71	12.68	13.03	12.73
Returns 1/	11.57	12.33	12.89	12.21	11.63	12.02	12.25	12.31	12.89	12.94	12.25	12.03
Net return 2/	-2.55	-1.40	-1.40	-1.40	-1.27	-0.22	0.19	0.04	-0.82	0.26	-0.78	-0.70
Processing:												
Costs	7.73	7.80	7.40	7.94	7.45	6.99	6.81	6.91	7.49	7.39	7.02	7.14
Raw sugar price 3/	19.92	22.04	21.74	20.34	20.95	21.83	22.12	22.81	23.26	21.57	21.31	21.62
Processor share 4/	8.35	9.71	8.85	8.13	9.12	9.81	9.87	10.50	10.37	8.63	9.06	9.59
Net return 5/	0.62	1.91	1.45	0.19	1.67	2.82	3.06	3.59	2.88	1.24	2.04	2.45
Joint net return 6/	-1.93	0.51	0.06	-1.20	0.40	2.60	3.24	3.64	2.06	1.50	1.26	1.75

1/ Total value of crop, as reported by NASS, divided by sugar production (lb raw sugar).

2/ Returns minus total costs.

3/ Calendar year average for following year, No. 14 contract. New York.

4/ Raw sugar price minus average grower payment.

5/ Processor share of raw sugar price minus total processing cost.

6/ Combined net return for production and processing.

Source: USDA.

Appendix table 19--Sugar beets: Average production costs per planted acre and net ton, by sugar beet region, 1992 crop

Item	Michigan and Ohio	Minnesota and Eastern North Dakota	Colorado. Nebraska and SE Wyoming	Texas	Montana, NW Wyoming and NW North Dakota	Eastern Idaho	Western Idaho and Oregon	California	United States
<i>Dollars/planted acre</i>									
Cash receipts:									
Primary crop	649.0	860.0	780.1	769.7	964.8	938.5	1,042.1	1,102.5	840.7
Beet tops	0.0	0.0	0.6	2.5	6.2	0.0	0.2	2.7	0.9
Total	649.0	860.0	780.7	772.2	971.0	936.5	1,042.3	1,105.2	849.6
Variable cash expenses:									
Seed	22.3	36.8	40.5	28.8	46.8	35.6	39.6	33.8	35.5
Fertilizer	56.6	30.2	57.2	41.6	84.5	87.5	109.2	83.1	56.1
Chemicals	53.8	65.9	66.1	99.7	67.9	72.1	76.8	85.6	68.4
Custom operations	29.7	21.0	21.0	102.5	13.2	21.8	49.9	188.2	39.6
Fuel, lube, and electricity 1/	22.5	24.4	54.4	111.1	47.5	83.4	99.9	66.0	45.9
Repairs 2/	35.7	33.4	42.9	54.3	60.9	70.1	41.0	29.6	41.5
Hired labor 3/	55.5	68.1	82.8	75.0	119.4	146.2	203.9	207.0	99.2
Noncash benefits 4/	1.5	1.9	3.5	1.0	5.4	10.1	3.4	1.6	3.2
Purchased irrigation water 5/	0.0	0.0	4.4	0.0	9.3	14.6	10.3	28.7	5.8
Freight and dirt hauling charges	6.1	9.9	14.2	3.8	21.7	11.7	12.2	44.7	15.1
Miscellaneous 6/	4.7	19.4	4.7	3.3	4.1	5.7	3.3	25.8	12.9
Hauling allowance (-)	2.2	13.6	1.8	7.5	1.2	1.4	1.3	24.5	9.2
Total	286.1	297.3	390.0	513.6	479.6	557.4	648.1	769.7	413.7
Fixed cash expenses:									
General farm overhead	49.0	49.4	58.0	64.7	70.9	77.2	62.8	57.4	56.5
Taxes and insurance	40.7	28.1	30.9	26.9	25.2	30.0	26.4	37.3	30.9
Interest 7/	52.1	60.4	63.1	56.1	76.9	61.0	68.0	38.2	58.7
Total	141.8	137.9	152.0	147.7	172.9	168.2	157.3	132.9	146.1
Total cash expenses, variable and fixed	427.9	435.2	542.0	661.3	652.5	725.6	805.4	902.6	559.9
Capital replacement	79.9	62.5	61.1	48.0	91.9	86.4	87.3	45.7	68.2
Returns to owned inputs:									
Operating capital 8/	5.1	5.5	6.9	8.2	8.5	9.9	11.5	21.1	8.6
Nonland capital 9/	10.1	7.0	7.8	4.9	9.6	10.8	12.3	5.5	8.1
Net land return 10/	102.0	166.2	224.0	136.0	172.4	250.3	218.6	162.9	173.2
Return to coop share 11/	n.a.	42.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	16.4
Unpaid labor 12/	54.3	36.4	63.9	38.2	72.9	43.8	42.0	52.4	47.4
Total	171.6	257.2	302.7	188.3	263.5	314.9	284.5	241.9	253.8
Total economic costs 13/	827.3	694.5	842.6	841.6	931.0	1,065.9	1,109.2	1,152.0	823.1
Residual returns to management and risk 14/	21.7	165.5	-61.9	-69.4	40.0	-127.3	-66.9	-46.9	26.5
<i>Dollars/net ton of sugar beets</i>									
Variable cash expenses	16.0	16.3	19.8	23.0	21.3	23.5	24.3	25.1	20.2
Fixed cash expenses	8.0	7.6	7.7	6.6	7.7	7.1	5.9	4.3	7.1
Capital replacement	4.5	3.4	3.1	2.2	4.1	3.6	3.3	1.5	3.3
Returns to owned inputs	9.6	14.1	15.4	8.4	11.7	13.3	10.6	7.9	12.4
Total economic costs	35.2	38.1	42.9	37.7	41.4	45.0	41.5	37.5	40.1
Season-average price (dollars/ton)	36.4	47.2	39.7	34.5	42.9	39.6	39.0	35.8	41.4
Yield [net tons/planted acre]	17.8	18.2	19.7	22.3	22.5	23.7	26.7	30.7	20.5

n.a. = Not applicable. 1/ Includes tractor, truck, machinery, and irrigation equipment fuel, lubrication, and electricity. 2/ Includes tractor, truck, machinery, and irrigation equipment repairs. 3/ Includes all hired labor, excludes operator labor. 4/ Includes rental values of housing, personal property, utilities, drinks, snacks, and field toilets provided for workers. 5/ Includes water purchased by the operator; excludes water purchased by the landlord which is included in the share or cash rent agreement (net land return). 6/ Includes costs deducted by the processor from the net payment. 7/ Excluded from total economic costs. 8/ Variable expense items multiplied by part of year used and the 6-month US. Treasury bill rate. 9/ Value of machinery and equipment multiplied by a longrun real rate of return to production assets in farm sector. 10/ Weighted average of cash and share rented acres including irrigation water, fees, and irrigation equipment furnished by landlord. 11/ Prior to 1988, the coop share value was assumed to be included in share or cash rent paid to landlords in Minnesota and eastern North Dakota. 12/ Includes operator, exchange, and other unpaid labor. 13/ Excludes interest (fixed cash expenses). 14 Calculated by subtracting total economic costs from cash receipts. Source: USDA.

Appendix table 20--Beet sugar: Processing costs per pound of refined sugar and net ton of sugar beets, by cost item and area, 1992 crop

Item	East 1/	West 2/	United States
	<i>Cents/lb, refined sugar</i>		
Variable cash expenses:			
Beet acquisition	1.1	1.6	1.4
Processing			
Labor	1.0	1.4	1.2
Fuel	0.9	1.1	1.0
Materials and supplies	1.2	1.5	1.4
Repairs and maintenance	1.1	1.2	1.1
Labor benefits	0.4	0.6	0.5
Marketing	0.8	1.3	1.0
Interest	0.1	0.2	0.1
Total	6.7	6.7	7.8
Fixed expenses:			
Depreciation	0.6	0.3	0.5
Taxes and insurance	0.2	0.2	0.2
Interest	0.8	0.4	0.6
Total	1.8	0.9	1.3
General and administrative:			
Labor	0.3	0.3	0.3
Nonlabor	0.4	0.4	0.4
Total	0.7	0.6	0.7
Pulp drying and marketing	1.6	1.0	1.3
Total processing costs	10.7	11.2	11.0
	<i>Pounds, refined sugar</i>		
Recovery per net ton of beets	280.4	282.0	281.2
	<i>Dollars/net ton, sugar beets</i>		
Variable cash expenses	18.7	24.6	21.9
Fixed cash expenses	5.0	2.5	3.6
General and administrative	1.9	1.8	1.8
Dried pulp	4.6	2.8	3.6
Total processing costs	30.1	31.7	31.0

1/ The East comprises Michigan, Ohio, Minnesota, and the eastern part of North Dakota.

2/ The West comprises all other sugar beet growing areas west of the Mississippi. Totals may not add due to rounding.

Source: USDA.



Appendix table 21--Sugar beets: Production and processing costs per net ton of sugar beets and pound of refined sugar, 1992 crop 1/

Item	United States	
	Dollars per ton	Cents/lb
Production costs:		
Variable cash expenses	20.2	7.2
Fixed cash expenses	7.1	2.5
Capital replacement	3.3	1.2
Operating capital	0.4	0.1
Nonland capital	0.4	0.1
Net land return	9.3	3.3
Unpaid labor	2.3	0.8
Total	43.0	15.3
Total economic costs 2/	40.1	14.3
Processing costs:		
Variable cash expenses	21.9	7.6
Fixed expenses	3.6	1.3
General and administrative	1.8	0.7
Pulp drying and marketing	3.6	1.3
Total	31.0	11.0
Total production and processing costs	71.1	25.3
Credits:		
Dried pulp	6.7	2.4
Molasses	2.1	0.8
Other	0.6	0.2
Total	9.4	3.3
Net production and processing costs	61.7	22.0
	<i>Tons/acre</i>	
Yield per planted acre	20.5	
	<i>Pounds, refined sugar</i>	
Recovery per net ton of beets	281.2	

1/ Totals may not add due to rounding.

2/ Interest (fixed cash expenses) excluded from total economic costs.

Source: USDA.

Appendix table 22--Sugarcane: Average production costs per harvested acre, net ton of sugarcane and per pound of 96 degree raw sugar, by cost item and area, 1992 crop

Item	Florida			Hawaii			Louisiana			Texas			United States		
	Per acre	Per ton	Per lb	Per acre	Per ton	Per lb	Per acre	Per ton	Per lb	Per acre	Per ton	Per lb	Per acre	Per ton	Per lb
	----Dollars----	Cents		----Dollars----	Cents		----Dollars----	Cents		----Dollars----	Cents		----Dollars----	Cents	
Cash receipts	989.4	29.0	1/ 12.3		1/	1/	589.3	25.4	11.6	868.7	25.4	12.1	2/	2/	2/
Variable cash expenses:															
Seed 3/	1.1	0.0	0.0	n.a.	n.a.	n.a.	3.4	0.2	0.1	2.7	0.1	0.0	2.0	0.1	0.0
Fertilizer	53.2	1.6	0.7	237.6	2.7	1.1	40.0	1.7	0.8	40.7	1.4	0.7	60.7	1.a	0.8
Chemicals	54.3	1.6	0.7	134.4	1.5	0.6	54.9	2.4	1.1	50.0	1.5	0.7	60.0	1.8	0.8
Custom operations	89.1	2.7	1.1	58.7	0.7	0.3	8.2	0.4	0.2	17.0	0.5	0.2	51.8	1.6	0.7
Fuel, lube, and electricity 4/	25.4	0.8	0.3	91.9	1.0	0.4	30.2	1.3	0.6	33.7	1.0	0.5	32.3	1.0	0.4
Repairs 5/	96.7	2.7	1.1	420.7	4.6	2.0	58.0	2.5	1.1	76.3	2.3	1.1	100.2	3.0	1.3
Hired labor 6/	301.6	9.1	3.6	1,274.5	14.5	6.0	127.3	5.5	2.5	21 a.0	6.4	3.0	296.6	8.9	3.8
Noncash benefits 7/	64.0	1.9	0.8	n.a.	n.a.	n.a.	3.2	0.1	0.1	0.0	0.0	0.0	32.6	1.0	0.4
Purchased irrigation water 8/	5.8	0.2	0.1	n.a.	n.a.	n.a.	0.0	0.0	0.0	42.2	1.2	0.6	4.5	0.1	0.1
Miscellaneous	3.2	0.1	0.0	95.9	1.1	0.5	11.4	0.5	0.2	20.4	0.8	0.4	14.0	0.4	0.2
Hauling allowance (-)	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.8	0.4	0.0	0.0	0.0	7.0	0.2	0.1
Total	688.2	20.7	6.6	2,313.9	26.3	10.9	317.2	13.7	6.3	519.8	15.2	7.3	646.9	19.5	8.2
Fixed cash expenses:															
General farm overhead	83.0	2.5	1.0	257.7	2.9	1.2	22.0	1.0	0.4	19.7	0.6	0.3	68.7	2.1	0.9
Taxes and insurance	37.4	1.1	0.5	42.2	0.5	0.2	23.8	1.0	0.5	34.0	1.0	0.5	32.2	1.0	0.4
Interest 9/	45.7	1.4	0.6	n.a.	n.a.	n.a.	13.9	0.6	0.3	52.9	1.6	0.7	30.1	0.9	0.4
Total	166.9	5.0	2.1	299.9	3.4	1.4	59.7	2.6	1.2	106.6	3.1	1.5	130.9	4.0	1.7
Capital replacement	42.8	1.3	0.5	159.8	1.8	0.8	56.4	2.5	1.2	45.4	1.3	0.6	57.4	1.7	0.7
Returns to owned inputs:															
Operating capital 10/	12.2	0.4	0.2	41.0	0.5	0.2	5.6	0.2	0.1	9.2	0.3	0.1	11.5	0.3	0.1
Nonland capital 11/	15.6	0.5	0.2	90.4	1.0	0.4	9.4	0.4	0.2	10.0	0.3	0.1	18.1	0.6	0.2
Net land return 12/	186.9	5.6	2.3	211.2	2.4	1.0	82.6	3.6	1.6	183.9	5.4	2.6	146.8	4.4	1.9
Unpaid labor 13/	4.0	0.1	0.1	n.a.	n.a.	n.a.	40.2	1.7	0.8	19.7	0.6	0.3	19.2	0.6	0.2
Total economic costs 14/	1,071.8	32.3	13.3	3,116.0	35.4	14.7	559.2	24.1	11.0	641.8	24.6	11.8	1,000.6	30.2	12.7
Residual returns to management and risk 15/	-62.4	-2.5	-1.0	1/	1/	1/	30.1	1.3	0.6	26.9	0.8	0.4	2/	2/	2/
Season-average price (\$/ton)		29.8				1/		25.4			25.4			1/	
Yield (net tons/ harvested acre)		33.2			88.0			23.2			34.2			33.2	
Recovery per net ton of cane, lb raw value		241.8			240.2			21 a.7			209.3			236.9	

n.a. = Not applicable. Note: Totals may not add due to rounding. 1/ Hawaii cash receipts, residual returns to management and risk, and season-average price are excluded because the integrated producer/processor plantations do not value their crop before (a) milling into raw sugar and selling the raw sugar to other refiners or (b) milling, refining, and selling the refined sugar. U.S. average not available without Hawaii. 2/ U.S. averages for cash receipts and residual returns to management and risk are not included because a season-average price for Hawaii cane is not available. 3/ Includes purchased seed only; production inputs for home-produced seed cane are included in the variable cash expense items. 4/ Includes tractor, truck, machinery, and irrigation equipment fuel, lubrication, and electricity. 5/ Includes tractor, truck, machinery, and irrigation equipment repairs. 6/ Includes all hired labor, excludes operator labor. 7/ Includes rental values of housing, personal property, utilities, drinks, snacks, etc. provided for workers. 8/ Includes water purchased by the operator; excludes water purchased by the landlord which is included in the share or cash rent agreement (net land return). 9/ Excluded from total economic costs. 10/ Variable expense items multiplied by part of year used and the 6-month U.S. Treasury bill rate. 11/ Louisiana and Texas--value of machinery and equipment multiplied by a longrun real rate of return to production assets in farm sector. Florida and Hawaii-adjusted book value of assets multiplied by the 10-year U.S. Treasury bond rate. 12/ Weighted average of cash and share rented acres including irrigation water, fees, and irrigation equipment furnished by landlord. 13/ Includes operator, exchange, and other unpaid labor. 14/ Excludes interest (fixed cash expenses). 15/ Calculated by subtracting total economic costs from cash receipts. Source: USDA.

Appendix table 23--Raw sugar: Processing costs per net ton of sugarcane and pound of 96-degree raw sugar, by cost item and area, 1992 drop

Item	Florida		Hawaii		Louisiana		Texas		United States	
	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb
Variable dash expenses:										
Cane transportation	2.0	0.8	2.9	1.2	2.3	1.1	2.8	1.3	2.3	1.0
Processing-										
Labor	2.0	0.8	3.0	1.2	0.4	1.0	1.4	0.6	2.2	0.9
Fuel	0.1	0.1	1.8	0.8	1.4	0.2	0.3	0.2	0.5	0.2
Materials and supplies	0.7	0.3	1.6	0.7	3.9	0.6	1.4	0.7	1.1	0.5
Repairs and maintenance	2.7	1.1	6.1	2.5	1.1	1.8	2.6	1.2	3.7	1.6
Labor benefits	0.6	0.3	4.0	1.7	1.1	0.5	1.0	0.5	1.4	0.6
Marketing	3.5	1.4	6.2	2.6	0.2	0.5	2.8	1.4	3.3	1.4
Interest	0.2	0.1	0.5	0.2	0.2	0.1	0.2	0.1	0.3	0.1
Total	11.8	4.9	26.0	10.8	10.6	5.7	12.5	6.0	14.9	8.3
Fixed dash expenses:										
Depreciation	0.9	0.4	2.0	1.2	1.5	0.7	2.1	1.0	1.5	0.6
Taxes and insurance	0.5	0.2	0.4	0.2	0.5	0.2	0.6	0.3	0.5	0.2
Interest	0.8	0.3	1.8	0.7	0.5	0.2	1.3	0.6	0.9	0.4
Total	2.2	0.9	5.0	2.1	2.5	1.1	3.9	1.9	2.9	1.2
General and administrative:										
Labor	0.6	0.3	0.9	0.4	0.7	0.3	0.5	0.2	0.7	0.3
Nonlabor	0.7	0.3	2.0	0.8	0.6	0.3	0.7	0.3	0.9	0.4
Total	1.4	0.6	2.9	1.2	1.3	0.6	1.2	0.6	1.7	0.7
Total processing costs	15.4	8.4	33.8	14.1	14.4	7.4	17.6	8.4	19.4	8.2
Pounds sugar, raw value										
Recovery per net ton of cans	241.6		240.2		218.7		209.3		236.9	

Note: Totals may not add due to rounding.  
Source: USDA.

Appendix table 24--Sugarcane: Production and processing costs per ton of sugarcane and pound of 96-degree raw sugar, by cost item and area, 1992 crop

Item	Florida		Hawaii		Louisiana		Texas		United States	
	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb	Dollars/ton	Cents/lb
Production costs:										
Variable cash expenses	20.7	8.6	26.3	10.9	13.7	6.3	15.2	7.3	19.5	8.2
Fixed cash expenses	5.0	2.1	3.4	1.4	2.6	1.2	3.1	1.5	4.0	1.7
Capital replacement	1.3	0.5	1.8	0.8	2.5	1.2	1.3	0.6	1.7	0.7
Operating capital	0.4	0.2	0.5	0.2	0.2	0.1	0.3	0.1	0.3	0.1
Nonland capital	0.5	0.2	1.0	0.4	0.4	0.2	0.3	0.1	0.6	0.2
Net land return	5.6	2.3	2.4	1.0	3.6	1.6	5.4	2.6	4.4	1.9
Unpaid labor	0.1	0.1	n.a.	n.a.	1.7	0.8	0.6	0.3	0.6	0.2
Total	33.7	13.9	35.4	14.7	24.7	11.3	26.2	12.5	31.1	13.1
Total economic costs 1/	32.3	13.3	35.4	14.7	24.1	11.0	24.6	11.8	30.2	12.7
Processing costs:										
Variable cash expenses	11.8	4.8	26.0	10.8	10.6	4.8	12.5	6.0	14.9	6.3
Fixed expenses	2.2	0.9	5.0	2.1	2.5	1.1	3.9	1.9	2.9	1.3
General and administrative	1.4	0.5	2.9	1.2	1.3	0.6	1.2	0.6	1.7	0.7
Total	15.4	8.2	33.8	14.1	14.4	6.6	17.6	8.4	19.4	8.2
Total production and processing costs	47.7	19.5	89.2	28.8	38.5	17.6	42.2	20.2	49.6	21.0
Credits:										
Molasses	2.0	0.8	1.2	0.5	1.4	0.6	2.2	1.1	1.7	0.7
Bagasse	0.1	0.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.0	0.0
Other	0.2	0.1	3.5	1.5	0.2	0.1	n.a.	n.a.	0.8	0.3
Total	2.2	0.9	4.8	2.0	1.6	0.7	2.2	1.1	2.5	1.1
Net production and processing costs	45.5	18.6	64.5	26.8	38.9	16.9	40.0	19.1	47.1	19.9
Tons										
Yield per harvested acre		33.2		88.0		23.2		34.2		33.2
Pounds sugar, raw value										
Recovery per net ton of cane		241.8		240.2		218.7		209.3		236.9

n.a. = Not applicable. Note: Totals may not add due to rounding.

1/ Excludes interest (fixed cash expenses).

Source: USDA.