

United States
Department of
Agriculture



Economic
Research
Service

SSS-2004
July 2004



Sugar and Sweetener

Situation and Outlook Yearbook





www.ers.usda.gov

Visit Our Website To Learn More!

Want to learn more about the sugar and sweeteners or related topics? Visit our website at www.ers.usda.gov.

You can also find additional information about ERS publications, databases, and other products at our website.

It's Easy To Order Another Copy!

Just dial 1-800-999-6779. Toll free in the United States and Canada. Other areas please call (703) 605-6220. Or write ERS-NASS, 5285 Port Royal Road, Springfield, VA 22161.

Ask for *Sugar and Sweeteners Situation and Outlook Yearbook--(SSS-2004)*.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Ave., SW, Washington, DC 20250-9410, or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.



United States
Department
of Agriculture

SSS-2004
July 2004



A Report from the Economic Research Service

www.ers.usda.gov

Sugar and Sweetener Situation and Outlook Yearbook

Stephen Haley and Nydia Suarez

Abstract

The Sugar and Sweetener Yearbook contains U.S. and world data on acreage, yield, and production of sugar crops; production, trade, supply and use, and prices for sugar; and supply and use data for caloric and non-caloric sweeteners.

Keywords: Sugar, sugarcane, sugarbeets, corn sweeteners, high fructose corn syrup, glucose syrup, dextrose, honey, maple syrup, molasses, caloric sweeteners, world sugar trade.

Contents

List of Tables	3
-----------------------------	---

Internet Access to Sugar-Related Data	6
--	---

Report Coordinator

Stephen Haley
(202) 694-5247 FAX (202) 694-5884
E-mail: shaley@ers.usda.gov

Principal Contributors

Stephen Haley
Nydia Suarez

Web/Tech Consultant & Table Design

Mae Dean Johnson

Editor

Martha Evans

Layout Designers

Juanita Tibbs
Wynnice Pointer-Napper

Excel spreadsheet versions of the table printed herein can be downloaded from the ERS website at

<http://www.ers.usda.gov/publications/so/view.asp?f=field/sss-bb/>

Approved by the World Agricultural Outlook Board. The next *Sugar and Sweetener Situation and Outlook* is scheduled for release on September 2004. Summaries and full text of Situation and Outlook reports may be accessed electronically via the ERS web site at www.ers.usda.gov. The *Sugar and Sweetener Situation and Outlook* is published two times a year and supplemented by a yearbook. To order, call 1-800-999-6779 in the United States or Canada. Other areas please call (703) 605-6220. Or write ERS-NASS, 5285 Port Royal Road, Springfield, VA 22161.

List of Tables

World Production, Supply, and Distribution

1. World production, supply, and distribution, centrifugal sugar7

World and U.S. Sugar and Corn Sweetener Prices

2. World refined sugar price, monthly, quarterly, and
by calendar and fiscal year13
3. World raw sugar price, monthly, quarterly, and
by calendar and fiscal year14
4. U.S. raw sugar price, duty fee paid, New York, monthly,
quarterly, and by calendar and fiscal year15
5. U.S. wholesale refined beet sugar price, Midwest markets,
monthly, quarterly, and by calendar and fiscal year16
6. U.S. retail refined sugar price, monthly, quarterly,
and by calendar and fiscal year17
7. U.S. wholesale list price for glucose syrup, Midwest
markets, monthly, quarterly, and by calendar and fiscal year18
8. U.S. wholesale list price for dextrose, Midwest markets,
monthly, quarterly, and by calendar and fiscal year19
9. U.S. spot price for HFCS-42, Midwest markets, monthly,
quarterly, and by calendar and fiscal year19
10. U.S. producer price index for corn sweeteners and
sugar, monthly20
11. U.S. Consumer Price Index for sugar and selected
sweetener-containing products22
12. Sugarbeets: Price per ton, by State and United States24
13. Sugarcane: Price per ton, by State and United States25

U.S. Sugar Supply and Use

14. U.S. sugarbeet crops: Area planted, acres harvested,
yield per acre, and production, by State and region26
15. U.S. sugarcane: Area, yield, production, sugar output,
recovery rate, and sugar yield per acre, crop years28
16. U.S. beet and cane sugar production (including Puerto Rico),
by fiscal year and share of total30
17. U.S. sugarbeet area, yield, and production31
18. U.S. production of beet sugar and cane sugar by State,
monthly, quarterly, fiscal and calendar year32
19. U.S. cane and beet sugar deliveries, monthly, quarterly,
and by fiscal and calendar year35
20. U.S. sugar deliveries for human consumption by type
of user, quarterly and calendar year38
21. U.S. sugar deliveries: Industrial and nonindustrial
uses by region41
22. U.S. sugar stocks held by primary distributors,
by quarters44

23. U.S. sugar imports under tariff-rate quota (TRQ), by country, fiscal years	45
24. U.S. sugar: Supply and use, by fiscal year	50
25. Monthly estimates of fiscal 2003 U.S. sugar supply and use	51
26. Monthly estimates of fiscal 2004 U.S. sugar supply and use	52

Corn Sweetener Supply, Use, and Trade

27. U.S. use of field corn, crop year	53
28. U.S. high fructose corn syrup (HFCS) deliveries, quarterly, by fiscal and calendar year	54
29. U.S. high fructose corn syrup (HFCS) production, quarterly, by fiscal and calendar year	54
30. U.S. high fructose corn syrup (HFCS) supply and use, calendar year	55
31. Net cost of corn starch to U.S. wet-millers, Midwest markets	56
32. U.S. corn sweetener exports to Mexico and Canada, fiscal years	58
33. U.S. corn sweetener imports from Mexico and Canada, fiscal years	60
34. U.S. HFCS trade with Mexico and Canada, monthly	62
35. Mexican imports of high fructose corn syrup from the United States	63
36. U.S. corn refinery exports	64
37. U.S. dextrose supply and use (including Puerto Rico), by calendar year	65
38. U.S. glucose supply and use (including Puerto Rico), by calendar year	65
39. U.S. beet pulp exports, by major destination, calendar year	66

U.S. Imports of Sugar Syrups

40. U.S. total imports of sugar syrup, harmonized tariff code 1702.90.4000, monthly	67
--	----

U.S. Molasses Prices

41. Monthly imports of molasses, by tariff code	68
42. U.S. blackstrap molasses prices	69

U.S. Maple Syrup Production, Prices, and Trade

43. U.S. maple syrup production, imports, exports, and prices, by calendar year	69
44. U.S. maple syrup production and value, by State, calendar years ...	70
45. U.S. maple syrup exports, by country	71

U.S. Honey Production and Trade

46. U.S. honey production, imports, exports, stocks, and average price, calendar year	72
47. Honey: Number of colonies, yield, production, stocks, price, and value by top producing States and United States	73
48. U.S. honey imports, by importing country, calendar year	77

U.S. Consumption of Caloric Sweeteners

49. U.S. total estimated deliveries of caloric sweeteners for domestic food and beverage use, by calendar year	78
50. U.S. per capita caloric sweeteners estimated deliveries for domestic food and beverage use, by calendar year	79
51. Refined cane and beet sugar: Estimated number of per capita calories consumed daily, by calendar year	80
52. High fructose corn syrup: Estimated number of per capita calories consumed daily, by calendar year	81

Internet Access to Sugar-Related Data

Home Pages

Sugar and Sweetener Briefing Room: <http://www.ers.usda.gov/briefing/sugar>

U.S. Department of Agriculture (USDA): <http://www.usda.gov>

Economic Research Service (ERS): <http://www.ers.usda.gov>

Office of the Chief Economist, USDA: <http://www.usda.gov/agency/oce/>

World Agricultural Outlook Board (WAOB): <http://www.usda.gov/agency/oce/waob>

National Agricultural Statistics Service (NASS): <http://www.usda.gov/nass/>

Foreign Agricultural Service (FAS): <http://www.fas.usda.gov/>

Reports

ERS Sugar & Sweetener Situation and Outlook reports (including text of reports):

<http://www.ers.usda.gov/publications/so/view.asp?f=specialty/sssbbl>

ERS Sugar Yearbook Data:

<http://www.ers.usda.gov/briefing/sugar/data/data.htm>

Sugar Statistical Compendium (1991):

<http://www.ers.usda.gov/data/sdp/view.asp?f=specialty/91006/>

U.S. Corn Sweetener Statistical Compendium (1993):

<http://www.ers.usda.gov/data/sdp/view.asp?f=specialty/94002/>

Sugarbeet Cost of Production:

www.ers.usda.gov/data/CostsandReturns/testpick.htm

World Agriculture Supply and Demand Estimates report (WASDE):

<http://www.usda.gov/agency/oce/waob/wasde/wasde.htm>

Speeches from recent Agricultural Outlook Forums:

<http://www.usda.gov/agency/oce/waob/archives/pastyears.htm>

Agricultural Baseline Projections tables:

<http://usda.mannlib.cornell.edu/datasets/baseline/>

Sugar: U.S. Sugar Re-export Programs, Foreign Agricultural Service (FAS):

<http://www.fas.usda.gov/itp/imports/ussugar.html>

Foreign Agricultural Service Report from Foreign Countries (includes sugar reports):

<http://www.fas.usda.gov/scriptsw/attacherep/default.asp>

Sweetener Market Data, Farm Service Agency (FSA):

<http://www.fsa.usda.gov/ao/epas/dsa/sugar/coveru.htm>

Weekly Weather and Crop Bulletin:

<http://www.usda.gov/agency/oce/waob/jawf/wwcb.html>

Table 1--World production, supply, and distribution, centrifugal sugar

Country	Beginning stocks	Production	Imports	Total supply	Exports	Domestic consumption	Ending stocks
1,000 metric tons, raw value							
North America:							
United States 1/							
1999/2000	1,487	8,203	1,484	11,174	112	9,049	2,013
2000/2001	2,013	7,956	1,443	11,412	128	9,306	1,978
2001/2002	1,978	7,167	1,393	10,538	124	9,028	1,386
2002/2003	1,386	7,601	1,569	10,556	129	8,920	1,507
2003/2004	1,507	8,132	1,505	11,144	181	8,946	2,017
2004/2005	2,017	7,793	1,443	11,253	136	8,986	2,131
Canada							
1999/2000	115	73	1,207	1,395	13	1,265	117
2000/2001	117	121	1,211	1,449	13	1,242	194
2001/2002	194	88	1,235	1,517	14	1,250	253
2002/2003	253	54	1,378	1,685	18	1,398	269
2003/2004	269	98	1,364	1,731	157	1,431	143
2004/2005	143	75	1,370	1,588	20	1,450	118
Mexico							
1999/2000	941	4,979	37	5,957	318	4,576	1,063
2000/2001	1,063	5,220	43	6,326	155	4,623	1,548
2001/2002	1,548	5,169	52	6,769	413	5,184	1,172
2002/2003	1,172	5,229	63	6,464	38	5,232	1,194
2003/2004	1,194	5,517	106	6,817	66	5,350	1,401
2004/2005	1,401	5,410	21	6,832	66	5,480	1,286
Total North America							
1999/2000	2,543	13,255	2,728	18,526	443	14,890	3,193
2000/2001	3,193	13,297	2,697	19,187	296	15,171	3,720
2001/2002	3,720	12,424	2,680	18,824	551	15,462	2,811
2002/2003	2,811	12,884	3,010	18,705	185	15,550	2,970
2003/2004	2,970	13,747	2,975	19,692	404	15,727	3,561
2004/2005	3,561	13,278	2,834	19,673	222	15,916	3,535
Caribbean:							
Cuba							
1999/2000	488	4,060	0	4,548	3,400	710	438
2000/2001	438	3,500	44	3,982	2,980	700	302
2001/2002	302	3,600	80	3,982	2,700	700	582
2002/2003	582	2,300	300	3,182	2,400	700	82
2003/2004	82	2,100	750	2,932	2,200	700	32
2004/2005	32	2,300	100	2,432	1,650	700	82
Dominican Republic							
1999/2000	58	426	25	509	185	298	26
2000/2001	26	470	26	522	185	310	27
2001/2002	27	460	44	531	185	317	29
2002/2003	29	497	0	526	185	319	22
2003/2004	22	505	0	527	185	320	22
2004/2005	22	508	0	530	185	320	21
Other Caribbean							
1999/2000	153	490	312	955	395	389	171
2000/2001	179	452	280	911	335	391	185
2001/2002	185	429	237	851	320	382	149
2002/2003	149	384	282	815	292	384	139
2003/2004	139	419	261	819	316	374	129
2004/2005	129	407	254	790	284	375	131
Total Caribbean							
1999/2000	699	4,976	337	6,012	3,980	1,397	635
2000/2001	643	4,422	350	5,415	3,500	1,401	514
2001/2002	514	4,489	361	5,364	3,205	1,399	760
2002/2003	760	3,181	582	4,523	2,877	1,403	243
2003/2004	243	3,024	1,011	4,278	2,701	1,394	183
2004/2005	183	3,215	354	3,752	2,123	1,395	234

continued--

Table 1--World production, supply, and distribution, centrifugal sugar--Continued

Country	Beginning stocks	Production	Imports	Total supply	Exports	Domestic consumption	Ending stocks
1,000 metric tons, raw value							
Central America:							
Guatemala							
1999/2000	70	1,617	0	1,687	1,140	451	96
2000/2001	96	1,632	0	1,728	1,190	468	70
2001/2002	70	1,965	12	2,047	1,310	508	229
2002/2003	229	1,987	10	2,226	1,360	530	336
2003/2004	336	1,900	9	2,245	1,460	535	250
2004/2005	250	1,900	10	2,160	1,435	537	188
Other Central America							
1999/2000	277	1,875	32	2,184	819	980	385
2000/2001	368	1,865	0	2,233	934	991	308
2001/2002	308	1,795	0	2,103	763	1,003	337
2002/2003	337	1,826	0	2,163	807	1,028	328
2003/2004	328	1,931	2	2,261	849	1,064	348
2004/2005	292	1,538	2	1,832	633	871	328
Total Central America							
1999/2000	347	3,492	32	3,871	1,959	1,431	481
2000/2001	464	3,497	0	3,961	2,124	1,459	378
2001/2002	378	3,760	12	4,150	2,073	1,511	566
2002/2003	566	3,813	10	4,389	2,167	1,558	664
2003/2004	664	3,831	11	4,506	2,309	1,599	598
2004/2005	542	3,438	12	3,992	2,068	1,408	516
South America:							
Brazil							
1999/2000	1,010	20,100	0	21,110	11,300	9,100	710
2000/2001	710	17,100	0	17,810	7,700	9,250	860
2001/2002	860	20,400	0	21,260	11,600	9,450	210
2002/2003	210	23,810	0	24,020	14,000	9,750	270
2003/2004	270	25,530	0	25,800	14,540	10,050	1,210
2004/2005	1,210	27,550	0	28,760	16,700	10,250	1,810
Colombia							
1999/2000	72	2,330	10	2,412	959	1,393	60
2000/2001	60	2,225	25	2,310	965	1,305	40
2001/2002	40	2,465	64	2,569	1,085	1,425	59
2002/2003	59	2,630	88	2,777	1,306	1,400	71
2003/2004	71	2,635	45	2,751	1,300	1,405	46
2004/2005	46	2,645	55	2,746	1,270	1,440	36
Argentina							
1999/2000	322	1,670	1	1,993	200	1,530	263
2000/2001	263	1,540	2	1,805	189	1,470	146
2001/2002	146	1,600	1	1,747	137	1,480	130
2002/2003	130	1,650	1	1,781	165	1,440	76
2003/2004	76	1,925	10	2,011	215	1,560	236
2004/2005	236	1,740	5	1,981	285	1,570	126
Other South America							
1999/2000	964	3,079	859	4,902	422	3,510	970
2000/2001	943	3,171	884	4,998	446	3,421	1,131
2001/2002	1,131	3,411	1,015	5,557	536	3,523	1,498
2002/2003	1,498	3,502	729	5,729	603	3,565	1,561
2003/2004	1,561	3,361	578	5,500	668	3,433	1,399
2004/2005	1,177	2,774	363	4,314	597	2,607	1,110
Total South America							
1999/2000	2,368	27,179	870	30,417	12,881	15,533	2,003
2000/2001	1,976	24,036	911	26,923	9,300	15,446	2,177
2001/2002	2,177	27,876	1,080	31,133	13,358	15,878	1,897
2002/2003	1,897	31,592	818	34,307	16,174	16,155	1,978
2003/2004	1,978	33,451	633	36,062	16,723	16,448	2,891
2004/2005	2,669	34,709	423	37,801	18,852	15,867	3,082

continued--

Table 1--World production, supply, and distribution, centrifugal sugar--Continued

Country	Beginning stocks	Production	Imports	Total supply	Exports	Domestic consumption	Ending stocks
1,000 metric tons, raw value							
Western Europe 2/							
European Union							
1999/2000	3,107	19,498	1,786	24,391	6,138	14,523	3,730
2000/2001	3,730	18,519	1,839	24,088	6,607	14,061	3,420
2001/2002	3,420	16,153	2,025	21,598	4,793	14,088	2,717
2002/2003	2,717	18,671	2,084	23,472	5,281	14,327	3,864
2003/2004	3,864	16,506	2,000	22,370	4,703	14,411	3,256
2004/2005	4,977	19,909	2,257	27,143	5,228	17,627	4,288
Other Western Europe							
1999/2000	157	190	389	736	0	549	187
2000/2001	187	238	399	824	7	560	257
2001/2002	257	180	434	871	6	591	274
2002/2003	274	240	467	981	12	640	329
2003/2004	329	201	484	1,014	10	653	351
2004/2005	346	209	400	955	10	631	314
Total Western Europe							
1999/2000	3,264	19,688	2,175	25,127	6,138	15,072	3,917
2000/2001	3,917	18,757	2,238	24,912	6,614	14,621	3,677
2001/2002	3,677	16,333	2,459	22,469	4,799	14,679	2,991
2002/2003	2,991	18,911	2,551	24,453	5,293	14,967	4,193
2003/2004	4,193	16,707	2,484	23,384	4,713	15,064	3,607
2004/2005	5,323	20,118	2,657	28,098	5,238	18,258	4,602
Eastern Europe: 3/							
Poland							
1999/2000	832	2,188	49	3,069	437	1,733	899
2000/2001	832	2,188	49	3,069	437	1,733	899
2001/2002	899	1,674	97	2,670	61	1,728	881
2002/2003	881	2,194	90	3,165	458	1,728	979
2003/2004	979	2,116	55	3,150	478	1,728	944
2004/2005	NA	NA	NA	NA	NA	NA	NA
Russian Federation							
1999/2000	2,650	1,500	5,170	9,320	190	6,130	3,000
2000/2001	3,000	1,550	5,650	10,200	260	6,840	3,100
2001/2002	3,100	1,630	4,850	9,580	410	7,040	2,130
2002/2003	2,130	1,580	4,000	7,710	260	6,400	1,050
2003/2004	1,050	1,930	4,150	7,130	110	6,480	540
2004/2005	540	1,900	4,650	7,090	110	6,520	460
Ukraine							
1999/2000	295	1,720	329	2,344	130	1,937	277
2000/2001	277	1,687	400	2,364	8	2,100	256
2001/2002	256	1,790	250	2,296	90	2,020	186
2002/2003	186	1,550	1,470	3,206	360	2,350	496
2003/2004	496	1,580	1,000	3,076	400	2,250	426
2004/2005	426	1,400	1,400	3,226	500	2,300	426
Other Eastern Europe							
1999/2000	1,182	2,387	2,678	6,247	551	4,244	1,452
2000/2001	1,533	1,989	2,761	6,283	539	4,207	1,537
2001/2002	1,537	2,203	2,838	6,578	816	3,999	1,763
2002/2003	1,763	2,186	3,091	7,040	776	4,259	2,005
2003/2004	2,005	2,071	2,766	6,842	773	4,063	2,006
2004/2005	1,518	891	2,243	4,652	645	2,667	1,340
Total Eastern Europe							
1999/2000	4,959	7,795	7,226	20,980	1,308	14,044	5,628
2000/2001	5,642	7,414	8,860	21,916	1,244	14,880	5,792
2001/2002	5,792	7,297	8,035	21,124	1,377	14,787	4,960
2002/2003	4,960	7,510	8,651	21,121	1,854	14,737	4,530
2003/2004	4,530	7,697	7,971	20,198	1,761	14,521	3,916
2004/2005	2,484	4,191	8,293	14,968	1,255	11,487	2,226

continued--

Table 1--World production, supply, and distribution, centrifugal sugar--Continued

Country	Beginning stocks	Production	Imports	Total supply	Exports	Domestic consumption	Ending stocks
1,000 metric tons, raw value							
Africa 4/							
South Africa; Republic of							
1999/2000	560	2,685	155	3,400	1,410	1,460	530
2000/2001	530	2,895	260	3,685	1,580	1,650	455
2001/2002	455	2,542	263	3,260	1,235	1,575	450
2002/2003	450	2,931	249	3,630	1,565	1,605	460
2003/2004	460	2,559	251	3,270	1,300	1,625	345
2004/2005	345	2,546	254	3,145	1,250	1,645	250
Other Africa							
1999/2000	1,464	5,018	4,530	11,012	1,541	7,862	1,609
2000/2001	1,706	5,355	4,714	11,775	1,881	7,884	2,010
2001/2002	2,010	5,428	4,806	12,244	1,821	8,326	2,097
2002/2003	2,097	5,553	5,564	13,214	2,007	8,781	2,426
2003/2004	2,426	5,676	5,562	13,664	2,122	9,025	2,517
2004/2005	2,517	5,603	5,520	13,640	2,029	9,072	2,539
Total Africa							
1999/2000	2,024	7,703	4,685	14,412	2,951	9,322	2,139
2000/2001	2,236	8,250	4,974	15,460	3,461	9,534	2,465
2001/2002	2,465	7,970	5,069	15,504	3,056	9,901	2,547
2002/2003	2,547	8,484	5,813	16,844	3,572	10,386	2,886
2003/2004	2,886	8,235	5,813	16,934	3,422	10,650	2,862
2004/2005	2,862	8,149	5,774	16,785	3,279	10,717	2,789
Middle East: 5/							
Egypt							
1999/2000	373	1,390	292	2,055	65	1,940	50
2000/2001	50	1,400	946	2,396	84	2,030	282
2001/2002	282	1,408	1,102	2,792	52	2,290	450
2002/2003	450	1,295	869	2,614	0	2,310	304
2003/2004	304	1,380	950	2,634	0	2,315	319
2004/2005	319	1,410	940	2,669	0	2,318	351
Turkey							
1999/2000	1,098	2,348	1	3,447	614	2,050	783
2000/2001	783	2,756	2	3,541	826	1,850	865
2001/2002	865	1,796	1	2,662	378	1,850	434
2002/2003	434	2,345	1	2,780	150	1,900	730
2003/2004	730	1,915	0	2,645	150	1,930	565
2004/2005	565	1,990	0	2,555	0	1,960	595
Other Middle East							
1999/2000	773	909	5,189	6,871	955	5,229	687
2000/2001	687	1,057	5,269	7,013	832	5,345	836
2001/2002	836	1,063	5,536	7,435	1,003	5,602	830
2002/2003	830	1,284	6,368	8,482	1,337	5,711	1,434
2003/2004	1,434	1,432	5,600	8,466	1,367	5,856	1,243
2004/2005	1,237	1,477	5,620	8,334	1,357	5,893	1,084
Total Middle East							
1999/2000	2,244	4,647	5,482	12,373	1,634	9,219	1,520
2000/2001	1,520	5,213	6,217	12,950	1,742	9,225	1,983
2001/2002	1,983	4,267	6,639	12,889	1,433	9,742	1,714
2002/2003	1,714	4,924	7,238	13,876	1,487	9,921	2,468
2003/2004	2,468	4,727	6,550	13,745	1,517	10,101	2,127
2004/2005	2,121	4,877	6,560	13,558	1,357	10,171	2,030
Asia, Oceania 6/ 7/							
India							
1999/2000	7,374	20,219	438	28,031	25	17,296	10,710
2000/2001	10,710	20,480	0	31,190	1,360	17,845	11,985
2001/2002	11,985	20,475	100	32,560	1,130	19,760	11,670
2002/2003	11,670	22,140	10	33,820	1,410	19,980	12,430
2003/2004	12,430	16,670	100	29,200	400	20,500	8,300
2004/2005	8,300	15,880	1,000	25,180	20	20,700	4,460

continued--

Table 1--World production, supply, and distribution, centrifugal sugar--Continued

Country	Beginning stocks	Production	Imports	Total supply	Exports	Domestic consumption	Ending stocks
1,000 metric tons, raw value							
China; Peoples Republic of							
1999/2000	2,548	7,525	687	10,760	433	8,476	1,851
2000/2001	1,851	6,849	1,083	9,783	129	8,650	1,004
2001/2002	1,004	8,305	1,375	10,684	460	9,355	869
2002/2003	869	11,380	842	13,091	120	10,950	2,021
2003/2004	2,021	10,610	1,200	13,831	60	11,450	2,321
2004/2005	2,321	10,570	1,200	14,091	50	11,965	2,076
Asia, Oceania							
Thailand							
1999/2000	684	5,721	0	6,405	4,147	1,650	608
2000/2001	608	5,107	0	5,715	3,394	1,750	571
2001/2002	571	6,397	0	6,968	4,157	1,832	979
2002/2003	979	7,303	0	8,282	5,100	1,900	1,282
2003/2004	1,282	6,900	0	8,182	5,250	1,950	982
2004/2005	982	6,800	0	7,782	5,000	2,000	782
Australia							
1999/2000	183	5,448	5	5,636	4,123	995	518
2000/2001	518	4,162	5	4,685	3,056	995	634
2001/2002	634	4,662	5	5,301	3,594	1,200	507
2002/2003	507	5,461	8	5,976	4,114	1,200	662
2003/2004	662	5,023	5	5,690	3,907	1,200	583
2004/2005	583	5,300	5	5,888	4,080	1,200	608
Pakistan							
1999/2000	552	2,595	280	3,427	0	3,300	127
2000/2001	127	2,648	1,100	3,875	0	3,450	425
2001/2002	425	3,453	32	3,910	0	3,450	460
2002/2003	460	3,944	0	4,404	107	3,500	797
2003/2004	797	4,047	0	4,844	214	3,600	1,030
2004/2005	1,030	3,662	0	4,692	214	3,650	828
Indonesia							
1999/2000	908	1,690	1,949	4,547	17	3,200	1,330
2000/2001	1,330	1,800	1,591	4,721	6	3,300	1,415
2001/2002	1,415	1,725	1,600	4,740	5	3,350	1,385
2002/2003	1,385	1,755	1,600	4,740	0	3,400	1,340
2003/2004	1,340	1,730	1,500	4,570	0	3,400	1,170
2004/2005	1,170	1,750	1,600	4,520	0	3,500	1,020
Philippines							
1999/2000	454	1,620	280	2,354	94	1,930	330
2000/2001	330	1,805	266	2,401	88	1,991	322
2001/2002	322	1,900	109	2,331	142	1,950	239
2002/2003	239	2,160	0	2,399	142	1,980	277
2003/2004	277	2,160	0	2,437	202	2,010	225
2004/2005	225	2,160	0	2,385	200	2,010	175
Japan							
1999/2000	164	795	1,650	2,609	7	2,142	460
2000/2001	460	722	1,486	2,668	10	2,293	365
2001/2002	365	833	1,407	2,605	10	2,277	318
2002/2003	318	864	1,483	2,665	10	2,296	359
2003/2004	359	888	1,442	2,689	10	2,292	387
2004/2005	387	850	1,462	2,699	10	2,290	399
Other Asia and Oceania							
1999/2000	1,563	2,409	6,243	10,215	1,327	7,495	1,393
2000/2001	1,393	2,173	3,970	10,536	1,356	7,884	1,296
2001/2002	1,296	2,400	7,093	10,789	1,522	8,012	1,255
2002/2003	1,255	2,501	7,329	11,085	1,527	8,093	1,465
2003/2004	1,465	2,508	7,427	11,400	1,665	8,285	1,450
2004/2005	1,450	2,506	7,577	11,533	1,553	8,364	1,616
Total Asia, Oceania							
1999/2000	14,430	48,022	11,532	73,984	10,173	46,484	17,327
2000/2001	17,327	45,746	12,501	75,574	9,399	48,158	18,017
2001/2002	18,017	50,150	11,721	79,888	11,020	51,186	17,682
2002/2003	17,682	57,508	11,272	86,462	12,530	53,299	20,633
2003/2004	20,633	50,536	11,674	82,843	11,708	54,687	16,448
2004/2005	16,448	49,478	12,844	78,770	11,127	55,679	11,964

continued--

Table 1--World production, supply, and distribution, centrifugal sugar--Continued

Country	Beginning stocks	Production	Imports	Total supply	Exports	Domestic consumption	Ending stocks
1,000 metric tons, raw value							
Unrecorded 8/							
1999/2000			5,375				
2000/2001			-1,068				
2001/2002			2,816				
2002/2003			6,194				
2003/2004			6,136				
2004/2005			2,799				
World Total 9/							
1999/2000	32,878	136,757	36,067	205,702	41,467	127,392	36,843
2000/2001	36,918	130,632	38,748	206,298	37,680	129,895	38,723
2001/2002	38,723	134,566	38,056	211,345	40,872	134,545	35,928
2002/2003	35,928	148,807	39,945	224,680	46,139	137,976	40,565
2003/2004	40,565	141,955	39,122	221,642	45,258	140,191	36,193
2004/2005	36,193	141,453	39,751	217,397	45,521	140,898	30,978

N.A. = Not available.

1/ The U.S. PS&D estimates conform to those released in the *World Agricultural Supply and Demand Estimates (WASDE)* with the WASDE "miscellaneous" category allocated to domestic consumption. All data are presented on a fiscal year (October-September) basis. The U.S. PS&D includes Puerto Rico.

2/ Includes French overseas departments of Reunion, Guadeloupe, and Martinique. Imports and exports include sugar containing products.

3/ Includes Traditional Eastern European countries, Hungary, Czech Republic, Slovakia, Balkans, Baltics, Armenia, and Georgia.

4/ Includes all of Continental Africa except Egypt. 5/ Includes Bahrain, Kuwait, Oman, Qatar, and the United Arab Emirates.

6/ Indian data include production of khandsari sugar, a native type, semi-white centrifugal sugar. Estimated output of khandsari sugar in thousands thousands (raw value equivalent) is as follows: 1999/2000 - 745; 2000/01 - 683; 2001/02 - 714; 2002/03 - 683; 2003/04 - 620.

7/ Includes Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan.

8/ The "Unrecorded" category is a balancing mechanism to equalize world exports and imports. It is assumed there is a certain quantity of trade that will not be recorded, with the result that imports and exports will differ by a certain amount.

9/ Total distribution includes unrecorded imports.

Source: USDA.

Table 2--World refined sugar price, monthly, quarterly, and by calendar and fiscal year 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
	Cents per pound																	
1980	20.06	26.13	23.60	24.34	35.55	35.40	33.32	35.16	37.29	42.30	40.72	33.70	23.26	31.76	35.26	38.91	32.30	NA
1981	33.03	29.83	27.56	21.48	18.79	20.22	19.38	17.59	13.80	14.85	14.71	14.86	30.14	20.16	16.92	14.81	20.51	26.53
1982	14.77	14.94	13.60	13.05	11.83	10.50	11.38	9.14	8.58	8.54	9.64	10.35	14.44	11.79	9.70	9.51	11.36	12.68
1983	9.69	9.70	9.75	10.00	12.26	14.07	13.36	13.19	11.79	11.89	10.38	10.71	9.71	12.11	12.78	10.99	11.40	11.03
1984	9.61	8.76	8.27	7.89	7.40	7.62	6.88	6.95	7.48	7.79	7.36	6.51	8.88	7.64	7.10	7.22	7.71	8.65
1985	6.43	6.25	6.03	6.00	5.90	6.00	6.19	7.16	7.95	7.71	8.02	7.86	6.24	5.97	7.10	7.86	6.79	6.63
1986	7.63	7.97	8.95	10.10	9.49	8.43	8.11	8.51	8.03	8.16	8.26	8.05	8.18	9.34	8.22	8.16	8.47	8.40
1987	8.65	9.23	9.45	8.66	8.64	8.24	8.09	8.09	8.36	8.56	8.96	10.03	9.11	8.51	8.18	9.18	8.75	8.49
1988	11.41	10.51	10.67	10.86	11.25	12.39	14.85	12.46	11.62	11.94	12.76	13.39	10.86	11.50	12.98	12.70	12.01	11.13
1989	12.63	13.41	14.52	15.19	15.90	17.70	21.19	22.45	19.79	18.00	18.08	17.00	13.52	16.26	21.14	17.69	17.16	15.91
1990	19.01	19.55	20.03	20.31	20.33	18.36	17.42	16.54	14.39	13.99	14.01	13.85	19.53	19.67	16.12	13.95	17.32	18.25
1991	13.39	13.40	13.86	12.90	12.99	13.94	14.73	14.40	13.09	13.03	12.71	12.46	13.55	13.28	14.07	12.73	13.41	13.71
1992	12.18	11.92	12.19	12.54	12.89	13.41	13.41	12.96	12.29	11.94	11.68	11.26	12.10	12.95	12.89	11.63	12.39	12.67
1993	11.60	11.97	13.05	13.38	13.39	12.64	12.20	13.05	12.90	13.23	13.15	12.97	12.21	13.14	12.72	13.12	12.79	12.42
1994	13.14	14.11	15.46	14.92	15.77	16.05	15.54	15.62	15.42	15.46	17.77	18.65	14.24	15.58	15.53	17.29	15.66	14.62
1995	18.75	18.17	17.45	16.31	17.05	19.16	20.27	20.01	16.58	17.29	17.64	17.21	18.12	17.51	18.95	17.38	17.99	17.97
1996	17.36	17.90	18.14	18.02	17.79	18.00	16.99	16.81	15.74	14.87	14.09	13.95	17.80	17.94	16.51	14.30	16.64	17.41
1997	13.87	13.98	14.05	14.19	14.61	14.93	15.07	15.66	14.51	13.58	13.81	13.64	13.97	14.58	15.08	13.68	14.33	14.48
1998	13.52	12.78	12.23	11.63	12.00	11.80	11.65	11.62	10.05	10.00	10.78	10.97	12.84	11.81	11.11	10.58	11.59	12.36
1999	10.99	10.50	9.85	8.79	9.13	9.93	9.47	9.04	8.28	7.85	7.73	7.61	10.45	9.28	8.93	7.73	9.10	9.81
2000	7.70	7.67	7.83	8.66	9.06	10.63	11.38	11.29	11.74	11.76	11.02	10.95	7.73	9.45	11.47	11.24	9.97	9.10
2001	11.27	10.65	10.26	10.61	11.71	12.68	12.60	12.08	10.66	10.19	11.27	11.52	10.73	11.67	11.78	10.99	11.29	11.35
2002	11.88	10.80	10.81	10.09	10.28	10.02	10.23	10.33	9.68	9.72	10.16	10.25	11.16	10.13	10.08	10.04	10.35	10.59
2003	10.64	11.10	10.51	10.14	9.95	9.66	9.84	9.74	8.95	8.39	8.67	9.23	10.75	9.92	9.51	8.76	9.74	10.06
2004	9.16	9.54	10.59	11.19	10.78	10.73							9.76	10.90				

N.A. = Not available.

1/ Contract No. 5, London Daily Price, for refined sugar, f.o.b. Europe, spot.

Source: LIFFE, London.

Table 3--World raw sugar price, monthly, quarterly, and by calendar and fiscal year 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
	Cents per pound																	
1960	2.97	3.02	3.05	3.04	3.05	2.97	3.26	3.31	3.25	3.25	3.25	3.25	3.01	3.02	3.27	3.25	3.14	3.08
1961	3.03	2.97	2.97	3.14	3.35	3.20	3.05	2.80	2.69	2.73	2.53	2.46	2.99	3.23	2.85	2.57	2.91	3.08
1962	2.30	2.36	2.65	2.69	2.60	2.63	2.92	3.24	3.18	3.28	3.65	4.29	2.44	2.64	3.11	3.74	2.98	2.69
1963	5.41	6.06	6.62	7.65	10.36	9.92	9.05	6.63	7.63	10.67	11.63	10.36	6.03	9.31	7.77	10.89	8.50	6.71
1964	10.64	9.11	7.43	8.05	7.12	5.33	4.80	4.37	3.71	3.70	3.40	2.76	9.06	6.83	4.29	3.29	5.87	7.77
1965	2.41	2.25	2.63	2.40	2.35	1.96	1.94	1.79	1.85	2.03	1.81	1.96	2.43	2.24	1.86	1.93	2.12	2.45
1966	2.47	2.25	2.17	2.09	2.09	1.72	1.78	1.69	1.55	1.59	1.47	1.41	2.30	1.97	1.67	1.49	1.86	1.97
1967	1.35	1.71	1.61	2.10	2.59	2.52	1.90	1.68	1.80	2.15	2.32	2.17	1.56	2.40	1.79	2.21	1.99	1.81
1968	2.20	2.17	1.93	1.84	1.98	1.78	1.71	1.66	1.45	1.90	2.39	2.77	2.10	1.87	1.61	2.35	1.98	1.95
1969	2.95	3.23	3.70	3.76	3.78	3.95	3.72	3.18	3.10	3.12	3.08	2.86	3.29	3.83	3.33	3.02	3.37	3.20
1970	3.12	3.23	3.44	3.61	3.75	3.82	3.86	3.89	3.93	3.99	4.18	4.16	3.26	3.73	3.89	4.11	3.75	3.48
1971	4.73	4.83	4.71	4.61	4.35	4.14	4.20	4.37	3.99	4.18	4.20	5.95	4.76	4.37	4.19	4.78	4.52	4.36
1972	8.25	8.62	8.73	7.29	7.01	6.58	5.58	6.28	7.04	7.42	7.25	9.08	8.53	6.96	6.30	7.92	7.43	6.64
1973	9.40	9.06	8.89	9.06	9.67	9.77	9.81	9.09	9.01	9.56	10.14	11.83	9.12	9.50	9.30	10.51	9.61	8.96
1974	15.32	21.28	21.27	21.77	23.65	23.67	25.40	31.45	34.35	39.63	57.17	44.97	19.29	23.03	30.40	47.26	29.99	20.81
1975	38.32	33.72	26.50	24.06	17.38	13.83	17.06	18.73	15.45	14.09	13.40	13.29	32.85	18.42	17.08	13.59	20.49	28.90
1976	14.04	13.52	14.92	14.06	14.58	12.99	13.21	9.99	8.16	8.03	7.91	7.54	14.16	13.88	10.45	7.83	11.58	13.02
1977	8.37	8.56	8.98	10.12	8.94	7.82	7.38	7.61	7.30	7.08	7.07	8.09	8.64	8.96	7.43	7.41	8.11	8.21
1978	8.77	8.48	7.74	7.59	7.33	7.23	6.43	7.08	8.17	8.96	8.01	8.00	8.33	7.38	7.23	8.32	7.82	7.59
1979	7.57	8.24	8.47	7.82	7.86	8.14	8.52	8.85	9.91	11.93	13.69	14.86	8.09	7.94	9.09	13.49	9.66	8.36
1980	17.23	23.03	20.12	21.61	31.33	31.61	28.12	31.98	35.12	41.09	37.94	29.00	20.13	28.18	31.74	36.01	29.02	23.39
1981	28.04	24.27	21.77	17.90	15.08	16.35	16.32	14.76	11.66	12.13	11.96	12.96	24.69	16.44	14.25	12.35	16.93	22.85
1982	12.99	13.05	11.24	9.53	8.12	6.85	7.83	6.80	5.90	5.91	6.50	6.27	12.43	8.17	6.84	6.23	8.42	9.95
1983	5.98	6.40	6.18	6.71	9.27	10.80	10.53	10.52	9.46	9.67	8.52	7.82	6.19	8.93	10.17	8.67	8.49	7.88
1984	6.95	6.58	6.42	5.96	5.58	5.48	4.51	4.01	4.11	4.66	4.41	3.51	6.65	5.67	4.21	4.19	5.18	6.30
1985	3.59	3.66	3.78	3.37	2.77	2.74	3.15	4.35	5.14	5.01	5.53	5.37	3.68	2.96	4.21	5.30	4.04	3.76
1986	4.47	5.55	7.07	8.36	7.64	6.36	5.58	5.50	4.67	5.42	5.93	5.66	5.83	7.45	5.25	5.67	6.05	5.96
1987	6.47	7.32	7.51	6.64	6.71	6.40	6.03	5.57	5.79	6.60	7.28	8.25	7.10	6.58	5.80	7.38	6.71	6.29
1988	9.64	8.40	8.48	8.49	8.85	10.52	14.04	11.09	10.18	10.29	10.82	11.28	8.84	9.29	11.77	10.80	10.17	9.32
1989	9.69	10.49	11.54	12.14	11.93	12.63	14.01	13.96	14.13	14.42	15.02	13.52	10.57	12.23	14.03	14.32	12.79	11.91
1990	14.38	14.63	15.39	15.24	14.62	12.99	11.92	10.92	11.00	9.77	10.00	9.72	14.80	14.28	11.28	9.83	12.55	13.67
1991	8.88	8.57	9.22	8.55	7.88	9.37	10.26	9.45	9.39	9.10	8.79	9.03	8.89	8.60	9.70	8.97	9.04	9.26
1992	8.43	8.06	8.22	9.53	9.62	10.52	10.30	9.78	9.28	8.66	8.54	8.15	8.24	9.89	9.79	8.45	9.09	9.22
1993	8.27	8.61	10.75	11.30	11.87	10.35	9.60	9.30	9.52	10.27	10.10	10.47	9.21	11.17	9.47	10.28	10.03	9.58
1994	10.29	10.80	11.71	11.10	11.79	12.04	11.73	12.05	12.62	12.75	13.88	14.76	10.93	11.64	12.13	13.80	12.13	11.25
1995	14.87	14.43	14.58	13.63	13.49	13.99	13.46	13.75	12.72	11.94	11.96	12.40	14.63	13.70	13.31	12.10	13.44	13.86
1996	12.57	12.97	13.07	12.43	11.94	12.54	12.83	12.33	11.87	11.65	11.29	11.38	12.87	12.30	12.34	11.44	12.24	12.40
1997	11.13	11.06	11.17	11.50	11.54	12.02	12.13	12.54	12.65	12.86	13.19	12.90	11.12	11.69	12.44	12.98	12.06	11.67
1998	11.71	11.06	10.66	10.27	10.17	9.33	9.70	9.50	8.21	8.24	8.73	8.59	11.14	9.92	9.14	8.52	9.68	10.80
1999	8.40	7.05	6.11	5.44	5.83	6.67	6.11	6.39	6.98	6.90	6.54	6.00	7.19	5.98	6.49	6.48	6.54	7.05
2000	5.64	5.51	5.54	6.48	7.33	8.72	10.18	11.14	10.35	10.96	10.02	10.23	5.56	7.51	10.56	10.40	8.51	7.53
2001	10.63	10.26	9.64	9.27	9.96	9.80	9.48	8.77	8.60	7.15	7.80	8.02	10.18	9.68	8.95	7.66	9.12	9.80
2002	7.96	6.81	7.27	7.12	7.33	7.07	8.02	7.86	8.54	8.84	8.87	8.81	7.35	7.17	8.14	8.84	7.88	7.58
2003	8.56	9.14	8.50	7.92	7.41	6.85	7.18	7.30	6.70	6.74	6.83	6.95	8.73	7.39	7.06	6.84	7.51	8.01
2004	6.42	7.01	8.23	8.21	8.08	8.41							7.22	8.23				

1/ Contract No. 11-f.o.b. stowed Caribbean port, including Brazil, bulk spot price.

Source: Coffee, Sugar & Cocoa Exchange, Inc.

Table 4--U.S. raw sugar price, duty fee paid, New York, monthly, quarterly, and by calendar and fiscal year 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
	Cents per pound																	
1960	5.89	6.00	6.11	6.17	6.09	6.25	6.48	6.47	6.59	6.52	6.53	6.46	6.00	6.17	6.51	6.50	6.30	NA
1961	6.39	6.32	6.25	6.25	6.46	6.48	6.39	6.06	6.19	6.29	6.29	6.40	6.32	6.40	6.17	6.29	6.30	6.35
1962	6.45	6.37	6.43	6.43	6.43	6.45	6.39	6.54	6.43	6.52	6.44	6.54	6.42	6.44	6.45	6.50	6.45	6.40
1963	6.70	6.80	7.04	8.26	11.08	8.70	7.95	6.65	7.45	9.42	9.34	8.78	6.85	9.35	7.35	9.18	8.18	7.51
1964	9.29	8.02	7.33	7.43	6.65	6.45	6.25	6.18	6.20	6.27	6.17	6.55	8.21	6.84	6.21	6.33	6.90	7.61
1965	6.85	6.79	6.61	6.59	6.73	6.72	6.73	6.77	6.82	6.82	6.80	6.75	6.75	6.68	6.77	6.79	6.75	6.63
1966	6.88	6.92	6.84	6.89	6.90	6.92	7.00	7.05	7.11	7.15	7.12	7.14	6.88	6.90	7.05	7.14	6.99	6.91
1967	7.13	7.21	7.18	7.22	7.25	7.32	7.30	7.33	7.34	7.37	7.38	7.30	7.17	7.26	7.32	7.35	7.28	7.22
1968	7.41	7.38	7.35	7.42	7.48	7.53	7.59	7.59	7.62	7.66	7.58	7.62	7.38	7.48	7.60	7.62	7.52	7.45
1969	7.67	7.69	7.76	7.80	7.82	7.74	7.50	7.75	7.83	7.89	7.79	7.73	7.71	7.79	7.69	7.80	7.75	7.70
1970	8.11	7.96	7.90	7.90	8.16	8.22	8.16	8.19	8.16	8.14	7.96	8.02	7.99	8.09	8.17	8.04	8.07	8.01
1971	8.35	8.44	8.37	8.29	8.46	8.54	8.58	8.66	8.57	8.52	8.63	8.84	8.39	8.43	8.60	8.66	8.52	8.37
1972	9.10	9.02	9.16	8.89	8.76	8.77	9.17	9.33	9.39	9.32	9.03	9.19	9.09	8.81	9.30	9.18	9.09	8.97
1973	9.38	9.14	9.45	9.65	10.06	10.25	10.25	10.75	10.97	11.15	11.10	11.34	9.32	9.99	10.66	11.20	10.29	9.79
1974	12.63	17.09	18.11	19.25	23.05	26.30	28.35	32.60	33.71	38.83	57.30	46.74	15.94	22.87	31.55	47.62	29.50	20.39
1975	40.15	36.07	28.52	26.07	19.27	15.96	19.89	21.11	17.36	15.45	15.03	14.80	34.91	20.43	19.45	15.09	22.47	30.61
1976	15.42	15.04	16.27	15.58	15.97	14.40	14.59	11.32	9.80	10.65	10.46	10.22	15.58	15.32	11.90	10.44	13.31	14.47
1977	10.95	11.06	11.67	12.57	11.34	10.28	10.15	11.21	10.41	10.23	10.42	11.75	11.23	11.40	10.59	10.80	11.00	10.91
1978	13.28	14.75	14.00	13.93	13.62	13.57	12.63	13.29	14.41	15.17	14.24	14.25	14.01	13.71	13.44	14.55	13.93	12.99
1979	14.63	15.31	15.53	14.29	14.33	14.61	15.59	15.92	15.98	15.91	16.29	18.30	15.16	14.41	15.83	16.83	15.56	14.99
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	20.87	21.08	21.17	21.12	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
1995	22.65	22.69	22.46	22.76	23.10	23.09	24.47	23.18	23.21	22.67	22.60	22.63	22.60	22.98	23.62	22.63	22.96	22.76
1996	22.39	22.68	22.57	22.71	22.62	22.48	21.80	22.51	22.38	22.37	22.12	22.14	22.55	22.60	22.23	22.21	22.40	22.50
1997	21.88	22.07	21.81	21.79	21.70	21.62	22.04	22.21	22.30	22.27	21.90	21.93	21.92	21.70	22.18	22.03	21.96	22.00
1998	21.85	21.79	21.74	22.14	22.31	22.42	22.66	22.19	21.92	21.67	21.83	22.19	21.79	22.29	22.26	21.90	22.06	22.09
1999	22.41	22.38	22.55	22.57	22.65	22.61	22.61	21.24	20.10	19.50	17.45	17.87	22.45	22.61	21.32	18.27	21.16	22.07
2000	17.70	17.24	18.46	19.43	19.12	19.31	17.64	18.12	18.97	21.15	21.39	20.56	17.80	19.29	18.24	21.03	19.09	18.40
2001	20.81	21.18	21.40	21.51	21.19	21.04	20.64	21.10	20.87	20.90	21.19	21.43	21.13	21.25	20.87	21.17	21.11	21.07
2002	21.03	20.69	19.92	19.73	19.52	19.93	20.86	20.91	21.65	21.94	22.22	22.03	20.55	19.73	21.14	22.06	20.87	20.65
2003	21.62	21.91	22.14	21.87	21.80	21.62	21.32	21.26	21.34	20.92	20.91	20.37	21.89	21.76	21.31	20.73	21.42	21.76
2004	20.54	20.57	20.86	20.88	20.69	20.03							20.66	20.53				

1/ Contract No. 14, duty fee paid New York. Average of nearest futures month for which an entire month of prices will be available. For example, April 2001's price

average of 21.51 cents is the average of closes for the July 2001 futures during the month of April since there was not a full month of May 2001 futures in

April (the May 2001 futures expired April 10th, July 2001 became the nearest futures, so July 2001 was used for the entire month of April).

Source: New York Board of Trade (www.nybot.com).

Table 5--U.S. wholesale refined beet sugar price, Midwest markets, monthly, quarterly, and by calendar and fiscal year

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
Cents per pound																		
1960	8.60	8.60	8.60	8.60	8.60	8.60	8.91	9.15	8.95	8.95	8.89	8.80	8.60	8.60	9.00	8.88	8.77	NA
1961	8.74	8.80	8.75	8.60	8.61	8.75	8.42	8.40	8.40	8.40	8.53	8.72	8.76	8.65	8.41	8.55	8.59	8.68
1962	8.80	8.80	8.80	8.96	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.02	8.80	8.99	9.00	9.01	8.95	8.83
1963	9.28	9.20	9.20	9.40	11.48	12.86	10.84	9.68	9.50	10.09	11.25	11.25	9.23	11.25	10.01	10.86	10.34	9.87
1964	11.25	11.05	10.02	9.90	9.48	8.89	8.85	8.71	8.60	8.60	8.60	8.60	10.77	9.42	8.72	8.60	9.38	9.95
1965	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.01
1966	9.15	9.31	9.41	9.35	9.35	9.35	9.35	9.35	9.35	9.65	9.80	9.80	9.29	9.35	9.35	9.75	9.44	9.29
1967	9.65	9.65	9.65	9.65	9.65	9.65	9.75	9.75	9.75	9.75	9.75	9.75	9.65	9.65	9.75	9.75	9.70	9.70
1968	9.85	9.85	10.00	10.00	10.00	10.00	10.00	10.00	9.99	9.85	9.85	9.85	9.90	10.00	10.00	9.85	9.94	9.91
1969	9.85	9.85	9.85	10.10	10.50	10.49	10.35	10.35	10.35	10.35	10.35	10.35	9.85	10.36	10.35	10.35	10.23	10.10
1970	10.50	10.58	10.85	10.85	10.85	11.20	11.20	11.20	11.35	11.45	11.45	11.45	10.64	10.97	11.25	11.45	11.08	10.80
1971	11.52	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.57	11.60	11.60	11.60	11.59	11.56
1972	11.69	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.65	11.65	11.65	11.83	11.90	11.90	11.65	11.82	11.81
1973	11.65	11.65	11.55	11.75	11.87	11.95	11.95	11.95	12.99	13.95	13.69	13.64	11.62	11.86	12.30	13.76	12.38	11.86
1974	14.64	17.80	20.18	21.99	26.65	30.40	32.15	33.93	36.19	40.17	54.68	56.02	17.54	26.35	34.09	50.29	32.07	22.93
1975	46.69	41.99	33.88	30.80	25.33	21.14	22.17	26.18	25.35	20.44	18.98	18.42	40.85	25.76	24.57	19.28	27.61	35.37
1976	18.30	18.30	18.30	18.30	18.68	18.47	18.76	16.30	14.45	14.93	14.28	14.12	18.30	18.48	16.50	14.44	16.93	18.14
1977	14.26	15.02	15.15	16.33	15.68	14.41	13.62	14.32	14.28	14.01	16.27	17.65	14.81	15.47	14.07	15.98	15.08	14.70
1978	17.94	18.65	18.65	18.65	18.65	18.65	18.65	18.65	18.65	18.65	18.94	19.15	18.41	18.65	18.65	18.91	18.66	17.92
1979	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.90	20.76	23.15	19.15	19.15	19.15	21.27	19.68	19.09
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	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
1990	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
1995	25.50	25.50	25.50	25.50	25.13	25.10	24.75	24.75	25.50	25.75	28.13	28.85	25.50	25.24	25.00	27.58	25.83	25.26
1996	28.69	29.00	29.50	29.50	29.70	29.50	29.50	29.00	29.00	29.00	29.00	29.00	29.06	29.57	29.17	29.00	29.20	28.84
1997	29.00	29.00	28.13	28.00	28.00	27.50	27.00	26.65	26.38	24.90	25.00	25.50	28.71	27.83	26.68	25.13	27.09	28.06
1998	25.50	25.50	25.50	25.50	26.00	26.00	26.00	26.00	26.50	26.90	27.00	27.00	25.50	25.83	26.17	26.97	26.12	25.66
1999	27.20	27.13	27.00	27.00	27.00	27.00	27.00	27.00	27.00	26.00	26.00	25.20	27.11	27.00	27.00	25.73	26.71	27.02
2000	23.38	22.25	21.50	21.00	19.75	19.00	19.00	19.00	20.70	21.25	21.00	21.80	22.38	19.92	19.57	21.35	20.80	21.90
2001	23.13	22.75	22.00	20.50	21.38	21.90	22.50	22.50	24.63	25.75	26.20	26.50	22.63	21.26	23.21	26.15	23.31	22.11
2002	26.75	26.00	25.95	24.63	24.50	24.00	24.00	25.40	26.25	26.75	27.40	27.88	26.23	24.38	25.22	27.34	25.79	25.49
2003	27.80	26.50	27.13	27.63	28.00	28.00	27.63	25.50	24.00	24.70	23.94	23.63	27.14	27.88	25.71	24.09	26.21	27.02
2004	23.70	23.50	23.50	23.50									23.57					

N.A. = Not available.

Source: *Milling & Baking News*. Simple average of the lower end of the range of quotations for days in that month. Quotations are weekly.

Table 6--U.S. retail refined sugar price, monthly, quarterly, and by calendar and fiscal year

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
Cents per pound																		
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
1995	39.70	39.90	39.80	39.40	39.70	39.50	39.70	39.60	39.80	40.40	40.70	39.80	39.80	39.53	39.70	40.30	39.83	39.67
1996	40.50	40.30	40.60	40.40	41.50	41.80	42.40	42.80	42.60	43.20	42.60	42.80	40.47	41.23	42.60	42.87	41.79	41.15
1997	43.40	42.90	43.10	43.50	43.40	43.60	43.30	43.60	43.60	43.00	42.90	42.80	43.13	43.50	43.50	42.90	43.26	43.25
1998	43.00	42.90	43.30	43.10	42.80	43.10	43.20	43.60	43.20	42.30	42.50	42.70	43.07	43.00	43.33	42.50	42.98	43.08
1999	43.60	43.00	43.70	43.20	43.60	43.10	43.20	43.10	43.70	43.80	42.60	42.60	43.43	43.30	43.33	43.00	43.27	43.14
2000	43.70	43.20	42.90	41.40	42.40	42.80	42.50	42.40	42.40	42.50	41.30	41.40	43.27	42.20	42.43	41.73	42.41	42.73
2001	42.80	43.50	43.70	42.90	43.80	43.50	44.30	43.30	44.20	44.00	42.50	42.50	43.33	43.40	43.93	43.00	43.42	43.10
2002	44.10	43.70	42.60	44.40	42.70	43.00	43.30	43.30	43.70	42.40	41.90	42.10	43.47	43.37	43.43	42.13	43.10	43.32
2003	43.00	42.70	42.70	42.70	43.10	42.90	43.10	43.50	42.60	42.50	41.10	42.20	42.80	42.90	43.07	41.93	42.68	42.73
2004	42.90	42.60	42.60	42.70									42.70					

Source: Bureau of Labor Statistics.

Table 7--U.S. wholesale list price for glucose syrup, Midwest markets, monthly, quarterly, and by calendar and fiscal year 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
Cents per pound, dry weight 2/																		
1975	15.99	15.57	15.57	15.57	15.59	15.59	15.25	16.06	16.16	16.22	15.64	13.16	15.71	15.58	15.82	15.01	10.59	NA
1976	12.81	12.81	12.58	12.47	12.47	12.47	12.31	11.10	9.91	9.91	9.18	8.54	12.73	12.47	11.11	9.21	10.59	12.83
1977	8.48	8.48	8.48	9.28	9.28	9.28	9.28	7.57	7.57	7.55	7.55	7.58	8.48	9.28	8.14	7.56	10.59	8.78
1978	7.58	7.58	7.58	8.04	8.00	8.41	9.81	9.81	9.81	9.18	9.18	9.30	7.58	8.15	9.81	9.22	10.59	8.28
1979	8.99	9.35	9.35	9.36	9.88	10.57	12.27	10.65	10.29	9.84	9.63	9.63	9.23	9.94	11.07	9.70	10.59	9.86
1980	9.63	9.72	10.13	12.69	12.69	14.33	15.60	17.60	17.60	17.60	17.60	17.00	9.83	13.24	16.93	17.40	10.59	12.42
1981	16.71	16.71	16.15	15.69	15.69	16.38	16.84	17.15	15.90	15.07	14.97	14.48	16.52	15.92	16.63	14.84	10.59	16.62
1982	14.03	14.03	14.03	14.03	14.03	14.03	14.03	13.54	12.72	12.75	12.75	12.75	14.03	14.03	13.43	12.75	10.59	14.08
1983	12.75	12.59	9.56	9.56	12.38	13.37	14.03	15.30	14.95	13.60	13.13	13.13	11.63	11.77	14.76	13.29	10.59	12.73
1984	13.13	13.13	12.69	13.08	13.32	13.69	14.06	13.93	13.44	13.31	10.56	10.31	12.98	13.36	13.81	11.39	10.59	13.36
1985	10.31	10.50	11.25	11.25	11.25	11.42	11.48	11.29	10.63	11.12	11.43	11.43	10.69	11.31	11.13	11.33	11.11	11.13
1986	11.43	11.43	11.43	11.43	10.28	10.16	10.16	10.16	10.16	10.16	10.16	10.16	11.43	10.62	10.16	10.16	10.59	10.89
1987	10.16	10.16	10.16	10.16	10.16	10.16	10.16	10.16	10.16	10.10	9.85	9.85	10.16	10.16	10.16	9.93	10.10	10.16
1988	9.85	9.85	9.85	9.85	9.85	9.85	13.15	13.54	13.54	13.54	13.54	13.54	9.85	9.85	13.41	13.54	11.66	10.76
1989	13.54	12.97	12.65	13.03	13.03	14.89	14.89	14.89	14.89	13.03	13.03	13.03	13.05	13.65	14.89	13.03	13.66	13.78
1990	13.26	13.96	14.59	14.58	14.59	14.86	15.60	15.60	14.95	13.00	13.00	13.00	13.94	14.68	15.38	13.00	14.25	14.26
1991	13.00	13.00	14.14	15.85	15.85	15.85	15.85	15.85	16.01	16.48	16.48	16.48	13.38	15.85	15.90	16.48	15.40	14.53
1992	16.48	16.48	16.48	16.48	16.48	16.48	16.48	16.48	16.48	11.37	11.37	11.25	16.48	16.48	16.48	11.33	15.19	16.48
1993	11.06	11.06	11.22	12.20	12.96	12.96	14.83	14.83	14.83	14.83	13.81	14.20	11.11	12.71	14.83	14.28	13.23	12.50
1994	14.41	15.07	15.19	15.32	15.32	15.32	15.92	16.06	15.88	15.13	15.13	14.38	14.89	15.32	15.95	14.88	15.26	15.11
1995	14.43	14.20	14.20	14.20	14.20	14.38	14.20	14.20	14.20	14.82	15.44	15.44	14.28	14.26	14.20	15.23	14.49	14.40
1996	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.09
1997	14.06	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	11.75	10.59	10.59	10.59	10.88	12.33
1998	13.57	13.57	13.57	12.33	12.33	12.33	12.33	12.33	12.33	12.52	12.52	12.20	13.57	12.33	12.33	12.41	12.66	12.21
1999	11.89	11.89	12.17	12.45	12.45	12.45	12.45	12.45	12.45	13.39	13.39	13.39	11.98	12.45	12.45	13.39	12.57	12.32
2000	13.08	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	13.26	12.87	12.76	12.76	12.93	12.83	12.94
2001	14.20	14.20	14.20	14.20	14.20	14.20	14.20	14.20	14.20	14.20	14.37	14.63	14.20	14.20	14.20	14.40	14.25	13.88
2002	14.63	14.63	14.63	14.63	14.63	14.63	14.63	14.63	15.88	15.88	15.88	15.88	14.63	14.63	15.05	15.88	15.05	14.68
2003	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	16.11	16.81	15.88	15.88	15.88	16.27	15.98	15.88
2004	16.81	16.81	16.81	16.81	16.81								16.81					

N.A. = Not available.

1/ In tank cars (jumbos to West Coast). 2/ To convert to commercial (wet) weight, multiply by 0.803.

Source: *Milling & Baking News*.

Table 8--U.S. wholesale list price for dextrose, Midwest markets, monthly, quarterly, and by calendar and fiscal year 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
	Cents per pound, dry weight																	
1975	25.16	25.16	25.16	25.16	23.69	20.05	18.37	18.37	18.24	18.00	18.00	16.63	25.16	22.97	18.33	17.54	21.00	NA
1976	16.63	16.63	16.63	16.63	16.63	16.63	16.63	15.77	13.55	13.18	13.64	13.64	16.63	16.63	15.32	13.49	15.52	16.53
1977	13.64	13.64	13.97	14.55	14.76	14.35	13.80	13.80	13.80	13.80	14.17	15.33	13.75	14.55	13.80	14.43	14.13	13.90
1978	15.38	15.38	15.38	15.92	16.10	16.91	16.96	16.96	16.96	16.96	16.96	16.96	15.38	16.31	16.96	16.96	16.40	15.77
1979	16.96	16.96	16.96	16.96	17.32	17.39	17.39	17.39	17.39	17.39	17.84	17.88	16.96	17.22	17.39	17.70	17.32	17.13
1980	18.33	21.87	26.63	26.63	28.11	30.75	31.52	31.52	31.91	32.93	34.78	34.78	22.28	28.50	31.65	34.16	29.15	25.03
1981	33.75	32.50	30.61	30.05	30.05	30.05	30.05	28.54	27.17	27.17	27.17	27.17	32.29	30.05	28.59	27.17	29.52	31.27
1982	27.17	27.17	27.17	27.17	27.17	27.17	27.17	26.36	26.36	26.36	26.36	26.36	27.17	27.17	27.17	26.76	27.07	27.17
1983	25.27	25.27	25.93	26.36	26.36	26.36	26.36	26.36	26.36	26.36	26.36	26.36	25.49	26.36	26.36	26.36	26.14	26.24
1984	26.36	26.36	26.11	26.10	26.36	26.36	26.36	26.36	26.36	26.43	26.90	26.90	26.28	26.27	26.36	26.74	26.41	26.32
1985	26.38	23.91	23.91	23.91	23.91	23.91	23.91	23.91	23.91	23.91	23.91	23.91	24.73	23.91	23.91	23.91	24.12	24.82
1986	23.91	23.91	23.91	23.91	23.91	23.91	23.91	23.91	22.83	22.83	22.83	22.83	23.91	23.91	23.55	22.83	23.55	23.82
1987	22.83	22.83	22.55	21.74	21.74	21.74	22.28	22.28	22.70	23.91	23.91	23.91	22.74	21.74	22.42	23.91	22.70	22.43
1988	24.46	24.46	24.46	24.46	24.46	24.46	25.54	25.82	26.63	26.63	26.63	26.63	24.46	24.46	26.00	26.63	25.39	24.71
1989	26.63	26.63	26.74	25.00	25.00	25.00	25.00	25.00	25.00	24.50	24.50	24.50	26.67	25.00	25.00	24.50	25.29	25.82
1990	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
1991	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
1992	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
1993	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
1994	25.25	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	25.88	25.50	25.75	26.00	26.00	25.79	25.89	25.56
1995	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.57
1996	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
1997	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
1998	25.50	25.50	30.65	30.65	30.65	30.65	30.65	30.65	30.65	30.65	30.65	30.65	29.41	30.65	30.65	30.65	29.79	28.50
1999	30.65	30.65	26.93	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	27.22	30.65	15.75	15.75	19.17	22.89
2000	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
2001	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	16.25	17.75	17.75	15.75	15.75	15.75	17.25	16.13	15.75
2002	17.75	17.75	17.75	17.75	17.75	17.75	17.75	17.75	17.75	17.75	17.75	19.25	17.75	17.75	17.75	18.25	17.88	17.63
2003	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	20.85	20.85	19.75	19.75	19.75	20.48	19.93	19.38
2004	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85	20.85

N.A. = Not available.

1/ 400-to-600 sack cars.

Source: *Milling & Baking News*.

Table 9--U.S. spot price for HFCS-42, Midwest markets, monthly, quarterly, and by calendar and fiscal year

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar	Fiscal
	Cents per pound, dry weight 1/																	
1994	17.96	18.31	18.94	20.29	20.42	20.42	20.42	20.42	18.52	17.08	16.20	16.20	18.40	20.38	19.79	16.49	18.77	NA
1995	16.02	15.85	15.85	15.85	15.58	15.49	15.49	15.49	15.49	15.49	15.49	15.49	15.91	15.64	15.49	15.49	15.63	15.88
1996	14.70	14.44	14.44	14.44	14.44	14.44	14.44	14.44	14.44	14.44	14.44	14.44	14.53	14.44	14.44	14.44	14.46	14.72
1997	12.18	10.56	10.56	10.56	10.56	10.56	10.56	10.56	10.56	10.56	10.56	10.56	11.10	10.56	10.56	10.56	10.70	11.67
1998	11.97	11.71	10.92	10.21	10.21	10.12	9.86	9.86	9.99	10.38	10.75	11.01	11.53	10.18	9.90	10.71	10.58	10.54
1999	11.27	11.27	11.44	11.62	11.62	11.62	11.62	11.62	11.62	12.18	12.32	12.32	11.33	11.62	11.62	12.27	11.71	11.32
2000	11.88	11.27	11.27	11.27	11.27	11.27	11.27	11.27	11.27	11.27	11.27	11.27	11.47	11.27	11.27	11.27	11.32	11.57
2001	11.97	11.97	11.97	11.97	11.97	11.97	11.97	11.97	11.57	11.57	11.97	11.97	11.97	11.97	11.84	11.84	11.90	11.76
2002	13.20	13.12	13.03	13.03	13.03	13.03	13.03	13.03	13.03	13.03	13.03	13.03	13.12	13.03	13.03	13.03	13.05	12.75
2003	13.73	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.38	13.20	13.20	13.20	13.24	13.20
2004	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.20

N.A. = Not available.

1/ To convert to commercial (wet) weight, multiply by 0.71.

Source: *Milling & Baking News*.

Table 10--U.S. producer price index for corn sweeteners and sugar, monthly

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Corn sweeteners (liquids and solids), incl. glucose, dextrose, and HFCS. June 1985=100 1/													
1986	94.2	94.9	97.1	96.3	97.0	97.5	101.6	102.2	101.9	96.0	93.6	94.3	97.2
1987	89.0	86.1	85.6	86.2	90.3	91.1	97.8	98.7	98.9	97.3	97.2	93.1	92.6
1988	88.0	87.1	87.4	87.9	86.9	89.5	100.3	101.7	101.8	103.5	102.4	101.6	94.9
1989	102.5	106.5	109.2	114.9	116.6	121.1	123.7	123.6	123.5	111.8	113.7	114.1	115.1
1990	111.6	113.3	113.0	119.1	120.3	121.4	127.4	128.6	128.2	115.8	115.3	115.5	119.1
1991	112.5	115.5	117.0	123.4	124.9	123.7	132.9	133.5	133.4	124.2	124.6	125.4	124.3
1992	125.3	124.2	124.6	126.7	126.8	126.7	130.6	130.7	129.4	110.7	110.0	109.8	123.0
1993	108.2	107.2	106.9	105.5	111.0	111.1	123.7	125.2	125.2	125.6	125.7	123.4	116.6
1994	128.3	129.9	131.9	143.7	143.4	143.4	145.0	145.1	144.6	126.1	126.2	125.7	136.1
1995	125.6	127.5	127.4	127.6	127.6	127.5	127.6	127.5	127.5	127.7	127.7	126.7	127.3
1996	124.7	122.6	122.7	122.5	122.2	122.3	122.5	122.7	125.4	129.0	128.9	129.7	124.6
1997	126.6	123.3	123.2	122.9	122.9	122.9	123.0	122.8	122.8	101.2	102.2	93.2	117.2
1998	94.4	96.4	98.7	92.9	92.8	93.3	93.7	92.9	92.7	91.6	92.2	92.2	93.7
1999	95.5	95.3	95.3	96.9	96.9	97.0	97.0	96.6	96.4	98.3	97.9	98.3	96.8
2000	98.9	98.0	97.8	98.0	97.9	97.9	97.8	98.0	98.0	97.6	99.2	100.3	98.3
2001	111.3	111.6	111.6	111.5	111.9	111.3	111.3	111.3	112.2	112.3	113.9	114.0	112.0
2002	116.5	120.1	119.7	119.8	117.4	119.6	121.2	121.0	127.4	127.9	125.9	126.5	121.9
2003	130.0	131.4	131.3	131.3	131.5	131.9	--	132.2	131.9	130.6	130.9	130.7	131.3
2004 2/	130.4	130.6	130.5	130.3									
Raw cane sugar and other cane mill products and byproducts, June 1982=100 1/													
1986	102.2	104.0	105.2	104.6	104.6	107.6	108.3	107.9	107.8	107.8	107.3	104.9	106.0
1987	105.8	107.2	107.8	107.9	108.3	108.3	108.7	107.3	106.9	105.9	105.5	106.1	107.1
1988	107.3	114.4	115.3	116.6	116.1	115.7	116.0	116.0	115.8	116.2	116.2	114.6	115.7
1989	110.3	111.2	110.4	109.4	110.7	112.0	114.7	114.8	115.3	114.4	114.4	114.1	112.6
1990	115.4	114.4	115.3	116.6	116.1	115.7	116.0	116.0	115.8	116.2	116.2	114.6	115.7
1991	112.6	110.3	110.5	110.3	110.0	110.6	110.1	111.1	111.1	111.3	111.4	110.6	110.8
1992	109.8	109.7	109.8	109.6	108.7	107.9	108.3	108.9	109.9	110.7	110.0	108.4	109.3
1993	107.0	107.1	109.4	110.9	108.6	109.6	111.2	112.8	112.2	111.7	111.2	111.8	110.3
1994	111.7	111.5	111.5	111.9	112.1	113.3	114.4	111.6	111.0	109.9	109.6	112.5	111.7
1995	114.0	114.7	113.7	114.7	115.2	116.4	120.9	117.4	117.3	115.6	115.4	115.2	115.9
1996	114.4	115.3	114.4	114.7	115.4	115.0	114.7	115.3	115.8	116.1	114.6	114.4	115.0
1997	114.1	111.5	112.6	112.3	112.1	111.7	113.5	114.2	114.1	113.9	112.3	112.5	112.9
1998	112.5	112.2	111.5	112.9	113.6	112.8	114.4	112.9	110.5	110.4	111.0	111.9	112.2
1999	112.9	112.5	111.9	113.4	112.1	113.1	114.1	109.2	104.1	101.9	95.1	93.1	107.8
2000	92.7	89.4	95.1	97.4	97.0	99.5	92.7	90.7	95.9	106.1	106.9	103.4	97.2
2001	106.3	107.6	107.6	108.6	107.8	106.1	107.7	107.4	107.1	107.4	108.2	109.8	107.6
2002	109.2	107.0	103.8	103.4	101.4	102.7	106.7	106.9	111.2	111.6	113.9	112.7	107.5
2003	108.8	111.3	113.5	111.6	112.1	111.1	109.8	109.8	108.0	106.8	107.4	105.2	109.6
2004 2/	104.5	104.4	106.5	105.5									

continued--

Table 10 --U.S. producer price index for corn sweeteners and sugar, monthly

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Refined beet sugar and byproducts, June 1982=100 1/													
1986	105.2	105.1	105.4	105.5	105.9	105.8	105.8	106.2	107.7	107.9	107.9	107.3	106.3
1987	107.1	107.2	106.8	106.6	106.2	106.4	106.5	106.5	106.1	105.5	106.1	105.6	106.4
1988	106.0	105.5	105.5	105.5	105.4	106.9	109.6	111.8	110.8	116.7	116.3	117.6	109.8
1989	212.7	120.8	121.1	121.0	121.3	121.9	122.0	121.2	120.3	117.2	119.5	122.0	120.8
1990	122.2	121.5	121.5	121.6	121.9	122.0	122.0	121.1	121.0	119.1	119.2	118.9	121.0
1991	119.0	118.8	118.6	118.7	116.5	117.2	118.0	118.0	117.6	115.5	115.3	114.8	117.3
1992	112.6	114.5	113.4	113.1	112.9	112.8	112.8	112.6	112.1	111.5	111.0	110.4	112.5
1993	108.7	108.7	107.8	109.4	109.2	108.2	108.1	110.2	110.2	111.0	109.2	109.7	109.2
1994	108.8	109.5	108.9	108.8	108.6	108.3	108.7	108.9	108.9	110.0	110.6	110.2	109.2
1995	110.6	110.5	110.3	110.7	110.8	110.8	110.7	108.5	108.7	108.2	109.2	109.9	109.9
1996	109.9	110.1	110.5	114.0	114.1	119.2	119.3	119.9	119.9	117.1	116.9	120.0	115.9
1997	119.9	119.9	119.7	119.0	120.8	118.7	118.4	117.2	115.0	112.2	110.7	110.5	116.8
1998	111.0	112.5	113.1	113.0	112.4	111.0	111.2	112.0	113.4	114.6	116.2	115.5	113.0
1999	113.5	113.9	114.4	115.0	115.0	115.2	115.6	114.9	114.3	113.1	110.9	107.9	113.6
2000	105.4	101.5	100.3	99.1	98.3	98.3	97.7	96.2	95.5	94.7	95.0	94.0	98.0
2001	97.5	97.6	97.8	98.0	99.4	99.5	99.5	100.9	102.0	103.3	105.0	106.8	100.6
2002	108.5	109.8	110.5	111.2	111.1	110.9	111.3	111.3	114.2	114.3	116.1	117.9	112.3
2003	118.7	118.8	119.1	119.5	119.2	119.4	119.3	119.4	113.7	116.6	116.4	116.2	118.0
2004 2/	116.0	116.0	115.9	116.9									
Refined cane sugar and byproducts, June 1982=100 1/													
1986	102.2	102.2	102.7	102.2	101.9	101.8	101.9	103.1	103.7	104.4	104.5	105.1	103.0
1987	104.6	105.2	105.2	106.6	106.4	107.1	107.6	107.5	107.4	107.3	107.3	106.7	106.6
1988	105.1	107.2	107.0	107.5	106.7	107.1	108.4	110.3	111.8	112.4	112.6	113.9	109.2
1989	116.5	117.0	117.4	117.5	117.8	120.3	122.8	120.8	123.0	121.9	121.7	124.0	120.1
1990	124.1	125.1	123.0	124.0	124.0	124.4	125.0	124.4	125.0	125.0	124.6	124.4	124.4
1991	124.9	124.9	124.5	123.5	123.6	122.9	123.1	123.1	123.4	123.3	123.6	123.3	123.7
1992	123.8	123.5	123.8	123.8	123.5	123.6	123.6	124.5	123.4	123.7	123.8	124.4	123.8
1993	122.9	123.4	123.7	123.2	123.2	122.7	123.0	124.6	123.7	122.5	123.5	123.2	123.3
1994	122.8	122.8	122.8	122.8	123.3	123.5	124.0	123.8	122.9	123.0	123.6	124.7	123.3
1995	124.9	126.0	126.4	122.5	123.1	123.4	123.9	123.9	124.0	124.9	125.1	125.8	124.5
1996	127.5	127.4	128.6	128.7	127.5	128.0	128.5	127.0	128.1	128.0	128.3	126.7	127.9
1997	128.5	127.9	129.2	128.0	127.7	126.9	126.1	126.3	127.0	126.8	125.5	125.1	127.1
1998	124.5	125.7	125.5	123.7	123.4	125.6	123.6	124.4	124.5	122.6	120.4	121.0	123.7
1999	121.7	123.4	126.3	125.5	126.7	126.4	125.8	125.6	124.6	124.7	124.1	123.8	124.9
2000	124.7	121.8	121.7	119.8	120.4	119.8	120.5	119.2	117.5	113.9	113.2	114.4	118.9
2001	112.8	117.5	116.2	114.6	115.1	115.3	115.6	116.6	115.5	115.2	115.2	116.3	115.5
2002	117.4	117.9	121.0	122.3	119.7	121.2	121.3	120.8	120.8	121.0	119.5	120.1	120.2
2003	119.1	122.3	122.8	122.9	122.9	123.5	123.8	124.5	125.5	124.3	122.3	123.4	123.1
2004 2/	119.5		121.5	120.9									

1/ Based on a sample of domestic producers. 2/ Preliminary, all indexes are subject to revision 4 months after original publishing.

Source: Bureau of Labor Statistics.

Table 11--U.S. Consumer Price Index for sugar and selected sweetener-containing products 1/

Year and month	Sugar and sweets 2/	Sugar and artificial sweeteners 3/	Flour and prepared flour mixes 4/	Cereals and bakery products 5/	Breakfast cereal 6/	White bread 7/	Cakes, cupcakes, and cookies 8/	Other bakery products 9/
1982-84=100								
1990	124.7	118.4	125.2	140.0	158.6	136.4	142.7	140.9
1991	129.3	119.9	125.7	145.8	168.1	139.3	151.1	146.8
1992	133.0	120.4	132.5	151.5	175.4	146.2	155.6	151.8
1993	133.4	121.7	132.4	156.6	183.2	152.2	159.3	157.8
1994	135.2	123.9	134.8	163.0	190.6	159.0	165.1	162.7
1995	137.5	126.8	140.8	167.5	192.5	165.5	169.1	168.3
1996	143.7	132.6	151.6	174.0	189.9	177.5	174.1	176.5
1997	147.8	134.8	156.2	177.6	187.5	183.8	179.2	180.2
1998	150.2	135.6	159.1	181.1	189.9	187.3	181.2	184.3
1999	152.3	137.2	160.9	185.0	195.2	192.5	185.0	191.2
2000	154.0	137.1	160.2	188.3	198.0	199.1	187.9	191.5
2001	155.7	140.3	164.3	193.8	199.7	208.3	192.0	199.1
2002	159.0	143.2	171.0	198.0	203.0	213.4	196.7	203.0
2003	162.0	145.7	178.4	202.8	204.3	218.6	202.8	207.3
2000								
Jan.	154.8	139.1	161.7	185.6	193.6	194.8	186.4	187.8
Feb.	154.4	138.1	154.9	186.0	196.1	197.7	186.6	188.5
Mar.	154.6	138.0	160.9	186.1	196.5	196.0	187.0	186.3
Apr.	152.4	135.0	158.2	187.2	197.9	197.6	186.9	189.7
May	153.7	137.2	162.3	188.6	200.6	199.4	186.9	190.8
June	154.0	138.5	162.8	187.7	199.6	199.7	184.9	191.5
July	154.1	138.6	164.7	189.6	199.3	202.0	187.6	193.7
Aug.	154.6	138.6	165.8	189.9	197.9	201.6	188.2	195.7
Sep.	154.6	138.5	165.2	188.6	196.7	197.4	187.4	193.2
Oct.	153.9	137.2	164.3	190.1	198.8	201.0	190.1	193.4
Nov.	153.0	133.1	149.2	189.0	199.5	199.5	190.0	192.1
Dec.	153.5	133.6	151.9	190.7	199.0	201.9	192.9	195.0
2001								
Jan.	155.7	139.0	161.5	191.1	195.1	202.9	192.1	196.7
Feb.	155.8	140.7	163.2	191.9	196.9	204.6	191.6	197.9
Mar.	155.7	140.8	165.5	191.9	194.9	207.1	191.6	197.1
Apr.	154.0	137.6	157.2	192.5	198.7	206.4	191.4	199.2
May	155.8	142.3	164.0	193.2	198.6	207.6	189.3	198.3
June	155.7	141.8	167.3	194.2	200.1	209.0	189.6	201.0
July	156.1	143.0	169.9	194.9	201.9	210.5	190.2	201.5
Aug.	156.1	141.1	171.2	195.9	202.3	209.0	190.7	203.8
Sep.	156.6	142.8	165.8	195.1	201.1	209.7	192.5	201.4
Oct.	156.4	140.8	167.5	195.2	201.7	210.4	194.1	198.7
Nov.	154.9	136.5	159.2	194.9	202.5	209.9	194.4	198.2
Dec.	156.1	136.7	158.9	195.3	202.2	212.3	196.1	195.9
2002								
Jan.	158.4	143.3	170.8	196.7	203.4	211.2	195.8	199.5
Feb.	158.5	142.7	167.9	197.6	204.1	212.1	196.8	202.2
Mar.	157.2	139.9	166.3	197.0	204.5	210.8	196.3	201.5
Apr.	159.6	143.9	168.7	198.1	203.6	212.9	195.3	204.4
May	157.9	143.3	174.3	198.2	204.3	213.4	195.8	203.4
June	158.7	144.8	172.9	198.7	204.1	213.2	194.8	205.5
July	160.2	145.6	176.9	198.7	203.4	213.5	195.6	205.8
Aug.	159.9	145.8	177.7	198.6	202.3	212.7	194.6	207.4
Sep.	159.6	146.3	174.9	198.4	200.0	214.2	197.1	206.4
Oct.	159.9	143.1	172.4	198.9	201.7	216.3	198.0	202.3
Nov.	158.5	139.8	163.6	198.3	202.7	216.7	199.9	200.2
Dec.	159.1	140.1	165.0	197.3	202.2	213.7	199.9	197.3
2003								
Jan.	160.7	144.5	177.8	199.8	202.8	216.3	200.3	202.2
Feb.	161.8	145.0	174.9	201.8	204.8	217.5	202.2	206.8
Mar.	162.5	146.0	180.3	202.1	206.2	215.7	202.7	205.1
Apr.	161.4	143.4	174.9	201.9	205.5	217.2	201.8	207.1
May	162.3	147.5	182.1	203.0	205.1	219.5	201.3	207.3
June	162.8	147.5	184.7	203.7	205.5	216.8	202.6	208.8
July	162.7	147.4	185.3	204.5	206.4	222.6	203.5	208.4
Aug.	162.5	148.1	186.1	204.5	206.3	220.4	200.7	211.7
Sep.	162.3	147.6	178.7	203.5	201.9	217.4	203.7	210.0
Oct.	162.5	146.4	176.1	203.1	202.5	221.0	205.0	207.3
Nov.	161.7	142.5	168.8	202.5	201.6	219.8	204.2	206.0
Dec.	161.0	143.0	171.4	202.9	203.2	218.9	205.1	206.5
2004								
Jan.	163.0	147.1	180.8	203.9	204.3	215.8	204.8	208.7
Feb.	163.9	147.9	179.4	204.4	204.4	217.7	203.3	210.2
Mar.	163.3	147.7	180.1	204.8	200.5	220.0	206.4	213.1
Apr.	162.6	146.4	173.4	205.5	200.6	223.9	205.9	214.6

Continued--

Table 11--U.S. consumer price index for sugar and selected sweetener-containing products 1/ --Continued

Year and month	Non-alcoholic beverages 10/	Carbonated drinks 11/	Non-carbonated juices and drinks 12/	Canned fruits 13/	Candy and chewing gum 14/	Ice cream and related products 15/	Food 16/
1982-84=100							
1990	113.5	112.1	NA	NA	NA	126.8	132.4
1991	114.1	113.0	NA	NA	NA	128.5	136.3
1992	114.3	114.9	NA	NA	NA	130.9	137.9
1993	114.6	115.9	NA	NA	NA	131.7	140.9
1994	123.2	115.7	NA	NA	NA	134.8	144.3
1995	131.7	119.5	NA	NA	NA	137.4	148.4
1996	128.6	119.9	NA	NA	NA	144.6	153.3
1997	133.4	118.3	NA	NA	NA	150.6	157.3
1998	133.0	117.5	NA	102.0	101.0	155.5	160.7
1999	134.3	118.8	102.1	105.2	102.3	164.4	164.1
2000	137.8	123.4	104.2	106.9	103.8	164.4	167.8
2001	139.2	125.4	106.0	109.0	104.3	173.4	173.1
2002	139.2	125.6	106.4	111.6	106.2	179.1	176.2
2003	139.8	125.6	106.5	113.7	107.8	175.5	180.0
2000							
Jan.	137.1	122.1	103.9	106.3	104.0	164.3	166.1
Feb.	138.4	125.2	103.4	105.9	103.9	166.0	166.3
Mar.	138.5	124.5	104.5	107.4	104.0	162.6	166.5
Apr.	137.6	123.3	103.6	105.4	103.8	164.2	166.6
May	137.3	122.9	103.7	107.1	103.3	162.2	167.3
June	137.5	123.2	104.3	105.2	103.7	163.4	167.3
July	138.5	124.5	104.5	108.3	103.7	162.8	168.1
Aug.	138.2	124.2	104.4	109.0	103.6	162.8	168.7
Sep.	138.0	123.5	104.5	106.3	103.7	163.8	168.9
Oct.	137.4	122.6	104.3	106.9	103.5	165.6	169.1
Nov.	137.9	123.5	104.9	106.7	104.0	167.4	168.9
Dec.	136.7	121.1	104.6	107.8	102.2	167.1	170.0
2001							
Jan.	139.4	126.0	105.8	109.1	104.4	169.8	170.9
Feb.	139.9	127.4	105.1	108.7	104.2	168.7	171.3
Mar.	139.5	126.4	105.5	108.1	104.2	169.3	171.7
Apr.	138.9	124.6	106.0	107.2	103.6	168.1	171.9
May	138.1	124.2	105.0	108.8	104.1	166.8	172.5
June	138.6	125.0	105.7	108.4	104.5	171.8	173.0
July	138.9	124.0	106.6	109.7	103.9	173.8	173.5
Aug.	140.0	127.1	106.3	110.8	104.3	177.0	173.9
Sep.	139.2	124.7	106.8	110.1	104.5	175.5	174.1
Oct.	139.9	126.5	106.3	109.3	104.4	178.1	174.9
Nov.	139.9	125.6	106.5	109.5	104.3	180.0	174.6
Dec.	138.5	123.3	106.5	107.7	105.3	181.8	174.7
2002							
Jan.	139.5	126.5	106.1	111.0	105.6	179.1	175.8
Feb.	140.0	127.9	105.2	111.7	106.0	182.4	175.9
Mar.	140.1	128.5	105.7	111.4	105.5	183.1	176.1
Apr.	140.0	128.1	106.2	109.8	106.5	179.3	176.2
May	138.0	124.6	105.5	111.9	104.9	179.3	175.8
June	137.5	123.0	106.2	110.4	105.7	177.1	175.8
July	138.3	123.0	107.2	111.8	106.9	176.5	176.0
Aug.	137.6	123.2	105.5	112.1	106.5	177.0	176.0
Sep.	140.2	125.8	108.2	113.1	106.2	176.7	176.4
Oct.	140.5	126.4	108.2	112.9	107.2	179.0	176.5
Nov.	139.1	125.1	105.8	110.8	106.7	180.0	176.8
Dec.	139.8	124.9	107.5	111.9	107.0	179.1	177.3
2003							
Jan.	140.6	126.5	106.9	112.8	106.8	180.5	177.5
Feb.	140.8	126.7	107.0	113.6	107.8	182.2	178.3
Mar.	140.3	125.9	106.5	112.2	108.8	183.0	178.6
Apr.	140.5	126.6	106.9	110.7	108.1	176.2	178.4
May	140.3	126.4	107.4	115.8	107.5	173.9	178.8
June	140.3	125.4	107.5	117.8	108.1	169.0	179.6
July	138.4	123.2	106.0	116.8	108.2	169.8	179.7
Aug.	139.7	124.9	106.9	115.2	108.0	173.7	180.4
Sep.	139.2	126.3	105.2	114.7	107.4	173.8	180.7
Oct.	140.5	126.7	107.3	115.0	108.0	173.7	181.7
Nov.	137.9	123.6	104.4	109.4	108.1	170.9	182.4
Dec.	139.3	124.8	106.1	110.1	107.3	179.4	183.6
2004							
Jan.	140.7	127.2	106.5	113.7	108.0	179.0	183.8
Feb.	141.4	129.4	105.9	114.2	109.0	177.2	184.1
Mar.	140.8	128.2	105.9	114.9	108.6	178.8	184.4
Apr.	139.7	127.0	105.4	112.7	108.1	179.4	184.5

1/ All-urban, unadjusted, U.S. city average. 2/ Series: SEFR, Base: 1982-84=100. 3/ Series: SEFR01, Base: 1982-84=100. 4/ Series: SEFA01, Base: 1982-84=100; 5/ Series: SAF111, Base: 1982-84=100. 6/ Series: SEFA02, Base: 1982-84=100. 7/ Series: SS02011, Base: 1982-84=100. 8/ Series: SEFB03, Base: 1982-84=100. 9/ Series: SEFB04, Base: 1982-84=100. 10/ Series: SAF114, Base: 1982-84=100. 11/ Series: SEFN01, Base: 1982-84=100. 12/ Series: SEFN03, Base: Dec. 1997=100. 13/ Series: SS13031, Base: Dec. 1997=100. 14/ Series: SEFR02, Base: Dec. 1997=100. 15/ Series: SEFJ03, Base: 1982-84=100. 16/ Series: SAF1, Base: 1982-84=100.
Source: Bureau of Labor Statistics.

Table 12--Sugarbeets: Price per ton, by State and United States

Crop year	New															National average	
	California	Colorado	Idaho	Michigan	Minnesota	Montana	Nebraska	Mexico	Dakota	North	Ohio	Oregon	Texas	Washington	Wyoming		Others
Dollars per short ton																	
1980	51.20	47.50	46.20	40.70	44.10	51.40	47.00	47.30	46.30	46.20	42.30	42.30	42.70	---	50.90	---	47.20
1981	32.00	33.80	32.50	26.50	20.00	37.20	33.70	32.60	20.50	28.90	30.00	30.00	30.60	---	38.00	---	29.20
1982	33.00	35.00	37.20	35.80	34.30	42.40	34.90	36.10	35.70	---	36.30	36.30	36.70	---	38.80	---	35.40
1983	40.20	33.40	40.50	36.20	35.40	37.60	31.60	---	35.40	34.70	40.70	40.70	35.70	---	34.20	---	37.00
1984	35.10	22.40	37.10	34.40	35.40	35.50	22.70	---	37.00	23.60	36.50	36.50	33.20	---	32.00	---	33.90
1985	33.10	27.40	36.60	29.60	36.00	35.10	28.50	---	35.50	27.90	35.00	35.00	29.40	---	32.10	---	33.80
1986	35.70	32.90	36.40	30.00	29.20	39.10	32.50	---	39.30	29.80	34.20	34.20	24.00	---	36.60	---	35.90
1987	33.60	35.40	38.70	31.00	43.80	42.20	35.50	35.50	43.90	32.90	36.60	36.60	33.50	---	39.30	---	38.20
1988	36.70	42.10	43.30	36.00	43.90	45.20	43.20	41.30	44.00	35.20	40.70	40.70	37.60	---	45.10	---	41.20
1989	42.30	43.70	43.60	41.90	40.80	43.60	43.20	---	40.20	---	40.80	40.80	41.30	---	45.10	40.70	42.10
1990	41.60	39.80	41.70	38.30	49.00	43.20	40.10	---	48.30	---	37.80	37.80	37.20	---	40.50	39.70	43.00
1991	37.10	39.80	38.30	38.10	40.20	37.30	39.00	---	39.60	---	36.70	36.70	30.70	---	38.30	36.30	38.50
1992	35.90	39.50	39.60	36.40	47.80	43.80	39.60	---	46.00	---	37.10	37.10	34.50	---	40.70	36.10	41.10
1993	35.50	38.40	41.20	35.80	40.90	43.60	35.70	---	41.10	---	40.10	40.10	31.00	---	40.70	37.30	39.00
1994	33.50	35.70	38.00	37.60	42.30	41.90	36.50	---	40.40	---	34.80	34.80	36.80	---	38.20	34.60	38.80
1995	39.40	35.40	40.50	33.80	38.00	39.90	34.40	---	39.10	---	39.30	39.30	36.50	---	37.70	38.40	38.10
1996	43.00	41.20	46.10	41.60	47.10	48.10	44.40	31.70	46.10	42.00	42.50	42.50	32.50	42.90	46.50	---	45.40
1997	40.60	34.10	40.60	38.50	38.70	40.50	35.60	31.20	37.90	38.40	39.90	39.90	34.00	38.90	38.50	---	38.80
1998	39.80	35.40	39.90	36.70	35.10	36.90	35.20	---	35.40	37.50	41.00	41.00	---	22.90	39.00	---	36.40
1999	36.80	31.40	42.30	32.80	36.70	40.40	33.20	---	38.00	32.70	41.10	41.10	---	32.40	39.00	---	37.20
2000	30.40	28.70	37.90	31.30	33.70	34.70	29.20	---	37.80	30.90	37.90	37.90	---	33.50	32.50	---	34.20
2001	33.40	34.20	40.50	34.80	40.30	38.80	36.90	---	46.10	35.50	40.50	40.50	---	40.50	39.70	---	39.80
2002	35.10	36.80	41.60	38.20	38.00	41.00	40.00	---	41.00	38.90	41.60	41.60	---	41.60	42.30	---	39.30

Source: NASS.

Table 13--Sugarcane: Price per ton, by State and United States

Year	Florida	Hawaii	Louisiana	Texas	National average
Dollars per short ton					
1980	39.40	---	33.20	27.10	38.50
1981	28.60	23.50	22.90	15.90	24.90
1982	28.20	26.20	25.10	19.50	26.50
1983	28.60	29.33	25.30	15.20	27.80
1984	28.90	30.30	23.90	21.70	28.20
1985	28.20	28.10	22.20	20.70	26.70
1986	29.00	27.90	23.10	27.50	27.30
1987	30.90	27.20	28.70	24.80	29.10
1988	32.60	27.60	26.20	24.60	29.40
1989	30.70	29.70	27.00	21.00	29.20
1990	31.50	32.70	26.60	25.00	30.80
1991	31.00	29.90	24.70	25.40	29.00
1992	29.80	28.30	25.40	25.40	28.10
1993	30.40	29.60	25.00	25.80	28.50
1994	30.60	30.40	25.90	29.90	29.20
1995	30.60	32.30	27.00	26.60	29.50
1996	29.40	30.50	26.20	25.50	28.30
1997	28.70	29.20	27.10	25.60	28.10
1998	29.50	32.00	23.20	24.90	27.30
1999	27.20	30.00	22.90	26.10	25.60
2000	28.60	26.30	22.70	29.80	26.10
2001	31.70	30.80	25.70	28.90	29.00
2002	31.70	30.50	23.50	30.30	28.40

Source: NASS.

Table 14--U.S. sugarbeet crops: Area planted, acres harvested, yield per acre, and production, by State and region 1/

State and region	Area planted												
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	1,000 acres												
Great Lakes:													
Michigan	179.0	189.0	195.0	190.0	153.0	163.0	177.0	194.0	189.0	180.0	179.0	179.0	173.0
Ohio	21.2	19.1	17.0	16.3	4.9	0.9	1.3	1.8	1.2	0.8	1.8	1.9	1.9
Total	200.2	208.1	212.0	206.3	157.9	163.9	178.3	195.8	190.2	180.8	181.8	180.9	174.9
Upper Midwest:													
Minnesota	372.0	390.0	415.0	427.0	441.0	453.0	473.0	480.0	490.0	468.0	505.0	492.0	486.0
North Dakota	195.5	193.8	205.8	207.0	226.6	231.4	250.0	251.6	258.0	261.0	265.0	259.0	255.0
Total	567.5	583.8	620.8	634.0	667.6	684.4	723.0	731.6	748.0	729.0	770.0	751.0	741.0
Great Plains:													
Colorado	40.2	40.3	44.3	42.8	54.8	67.9	62.5	72.1	71.5	41.5	43.9	28.6	42.0
Montana	55.9	54.4	54.3	55.7	57.7	59.9	64.0	61.8	60.7	57.4	58.0	51.7	54.0
Nebraska	85.6	82.3	82.1	75.9	55.8	67.3	53.8	72.7	78.2	48.6	57.0	45.3	45.0
New Mexico	---	---	---	---	1.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texas	40.1	40.3	25.4	20.2	14.1	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wyoming	71.0	66.0	63.0	63.0	58.0	63.0	56.0	58.0	61.0	48.5	40.0	35.0	39.0
Total	292.8	283.3	269.1	257.6	241.5	276.1	236.3	264.6	271.4	196.0	198.9	160.6	180.0
Far West:													
California	154.0	138.0	143.0	116.0	84.0	101.0	101.0	110.0	98.0	46.6	50.2	50.8	50.5
Idaho	202.0	206.0	202.0	198.0	187.0	198.0	204.0	211.0	212.0	199.0	212.0	208.0	197.0
Oregon	18.4	16.0	16.7	18.4	17.4	17.6	17.9	20.1	16.2	11.9	11.3	9.7	11.0
Washington	---	---	---	---	13.0	18.3	37.3	27.5	28.4	7.2	4.0	4.4	4.2
Total	374.4	360.0	361.7	332.4	301.4	334.9	360.2	368.6	354.6	264.7	277.5	272.9	262.7
Others 2/	1.8	2.5	12.2	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. total	1,436.7	1,437.7	1,475.8	1,444.6	1,368.4	1,459.3	1,497.8	1,560.6	1,564.2	1,370.5	1,427.3	1,365.4	1,258.6
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	1,000 acres												
Great Lakes:													
Michigan	175.0	187.0	187.0	188.0	130.0	160.0	173.0	190.0	166.0	166.0	177.0	178.0	
Ohio	20.5	17.5	16.0	15.3	4.6	0.9	1.1	1.7	0.8	0.6	1.8	1.8	
Total	195.5	204.5	203.0	203.3	134.6	160.9	174.1	191.7	166.8	166.6	178.8	179.8	
Upper Midwest:													
Minnesota	370.0	379.0	411.0	420.0	438.0	446.0	458.0	470.0	430.0	426.0	476.0	487.0	
North Dakota	194.7	190.9	201.5	204.2	225.3	227.5	242.6	247.0	232.0	237.0	258.0	255.0	
Total	564.7	569.9	612.5	624.2	663.3	673.5	700.6	717.0	662.0	663.0	734.0	742.0	
Great Plains:													
Colorado	39.9	40.0	43.2	41.1	51.1	66.4	57.3	68.5	53.6	36.8	39.5	27.4	
Montana	55.8	54.1	54.0	55.5	57.5	58.3	62.4	61.7	55.2	53.5	55.9	51.5	
Nebraska	77.5	79.6	74.1	72.3	51.2	60.3	47.4	66.2	54.8	41.4	42.0	42.4	
New Mexico	---	---	---	---	0.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	
Texas	39.9	39.2	24.5	19.3	12.6	15.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wyoming	69.1	64.4	61.3	61.5	56.8	60.9	53.4	57.1	56.1	41.6	36.0	33.7	
Total	282.2	277.3	257.1	249.7	230.1	262.5	220.5	253.5	219.7	173.3	173.4	155.0	
Far West:													
California	150.0	136.0	141.0	114.0	82.0	99.0	99.0	108.0	92.5	44.7	49.9	50.2	
Idaho	200.0	204.0	201.0	197.0	184.0	197.0	203.0	210.0	191.0	179.0	210.0	207.0	
Oregon	17.3	15.2	16.4	17.8	16.3	17.4	17.7	19.7	13.7	9.7	11.0	9.5	
Washington	---	---	---	---	13.0	18.0	35.8	27.4	27.3	7.1	4.0	4.4	
Total	367.3	355.2	358.4	328.8	295.3	331.4	355.5	365.1	324.5	24.1	274.9	271.1	
Others 2/	1.8	2.5	12.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
U.S. total	1,411.5	1,409.4	1,443.0	1,420.1	1,323.3	1,428.3	1,450.7	1,527.3	1,373.0	1,243.4	1,361.1	1,347.9	

continued--

Table 14--U.S. sugarbeet crops: Area planted, acres harvested, yield per acre, and production, by State and region 1/--Continued

Table 14 U.S. sugarcane crops: Area planted, acres harvested, yield per acre, and production, by State and region 17 Continued													
	Area planted												
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	Tons per acre												
Great Lakes:													
Michigan	17.7	17.0	16.2	15.8	15.1	19.0	16.0	18.6	20.5	19.4	18.1	19.1	
Ohio	16.0	12.1	16.5	15.0	18.7	19.0	17.3	19.4	21.3	20.0	20.6	25.6	
Total	17.5	16.6	16.2	15.7	15.2	19.0	16.0	18.6	20.5	19.4	18.1	19.2	
Upper Midwest:													
Minnesota	18.5	14.1	20.6	17.7	18.2	18.5	21.2	20.1	21.5	18.3	18.6	20.6	
North Dakota	17.4	16.3	21.2	19.2	18.7	18.5	22.2	20.8	22.1	18.1	18.6	20.4	
Total	18.1	14.8	20.8	18.2	18.4	18.5	21.5	20.3	21.7	18.2	18.6	20.5	
Great Plains:													
Colorado	23.9	23.1	21.9	17.4	20.2	19.7	22.7	21.3	22.5	22.4	20.1	23.5	
Montana	22.8	21.6	24.2	21.5	22.6	21.0	22.6	23.8	23.9	21.5	19.6	25.4	
Nebraska	17.9	18.5	20.3	16.4	17.8	16.8	19.7	19.0	20.3	20.3	18.1	20.3	
New Mexico					30.0	30.6	----	----	----	----	----	----	
Texas	21.0	21.0	20.3	18.2	19.2	18.0	----	----	----	----	----	----	
Wyoming	20.8	19.7	18.0	20.3	18.9	20.4	20.3	21.1	20.6	20.6	18.3	22.3	
Total	20.9	20.4	20.8	18.8	19.9	19.4	21.4	21.3	21.8	21.2	19.1	23.0	
Far West:													
California	28.2	26.0	28.0	28.0	29.5	30.0	27.5	32.0	34.0	35.7	39.5	36.5	
Idaho	24.5	23.2	27.9	24.0	24.8	26.4	27.1	24.3	29.3	25.9	34.3	29.3	
Oregon	22.8	24.5	27.8	22.7	25.5	28.4	26.6	25.1	30.1	29.9	27.4	30.0	
Washington					35.5	33.1	33.3	30.1	29.4	35.6	35.0	40.5	
Total	25.9	24.3	27.9	25.3	26.6	28.0	27.8	27.1	30.7	28.2	27.3	30.8	
Others 2/	40.0	41.2	37.7	34.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
U.S. total	20.6	18.6	22.1	19.8	20.2	20.9	22.4	21.9	23.7	20.7	20.4	22.7	
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	1,000 short tons												
Great Lakes													
Michigan	3,098	3,179	3,029	2,970	1,963	3,040	2,768	3,534	3,403	3,220	3,204	3,400	
Ohio	328	212	264	230	86	17	19	33	17	12	37	46	
Total	3,426	3,391	3,293	3,200	2,049	3,057	2,787	3,567	3,420	3,232	3,241	3,446	
Upper Midwest													
Minnesota	6,845	5,344	8,467	7,434	7,971	8,251	9,710	9,447	9,245	7,796	8,854	10,032	
North Dakota	3,388	3,112	4,272	3,929	4,213	4,205	5,386	5,138	5,127	4,290	4,799	5,202	
Total	10,233	8,456	12,739	11,363	12,184	12,456	15,096	14,585	14,372	12,086	13,653	15,234	
Great Plains:													
Colorado	954	924	946	715	1,032	1,308	1,301	1,459	1,206	824	794	644	
Montana	1,272	1,169	1,307	1,193	1,300	1,224	1,410	1,468	1,319	1,150	1,096	1,308	
Nebraska	1,387	1,473	1,504	1,186	913	1,013	934	1,258	1,112	840	760	861	
New Mexico	---	---	---	---	27	49	0	0	0	0	0	0	
Texas	838	823	497	351	242	270	0	0	0	0	0	0	
Wyoming	1,437	1,269	1,103	1,249	1,074	1,240	1,084	1,205	1,156	857	659	752	
Total	5,888	5,658	5,357	4,694	4,588	5,104	4,729	5,390	4,793	3,671	3,309	3,565	
Far West:													
California	4,230	3,536	3,948	3,192	2,419	2,970	2,723	3,456	3,145	1,596	1,971	1,832	
Idaho	4,900	4,733	5,608	4,728	4,563	5,210	5,501	5,103	5,596	5,636	5,103	6,065	
Oregon	394	372	456	404	416	494	471	494	412	290	301	285	
Washington	---	---	---	---	461	595	1,192	825	803	253	140	178	
Total	9,524	8,641	10,012	8,324	7,859	9,269	9,887	9,878	9,956	3,775	7,515	8,360	
Others 2/	72	103	452	484	0	0	0	0	0	0	0	0	
Total U.S.	29,143	26,249	31,853	28,065	26,680	29,886	32,499	33,420	32,541	25,764	27,718	30,605	

-- = No data. 1/ Relates to year of intended harvest except for overwintered spring planted beets in California. The 1991 crop is 1991/92, etc. 2/ Includes Arizona, New Mexico, and Washington prior to 1996.

Table 15--U.S. sugarcane: Area, yield, production, sugar output, recovery rate, and sugar yield per acre, crop years 1/

Year	Total	Area for seed	For sugar	Percent area for seed	Sugarcane yield for sugar	Sugarcane production for sugar	Sugar production	Recovery rate	Sugar yield per acre 2/
		----- 1,000 acres -----		Percent	Tons/acre	1,000 short tons	1,000 tons, raw value	Percent	Short tons, raw value
Florida									
1985/86	398.7	15.3	383.4	3.8	32.9	12,615	1,413	11.20	2.92
1986/87	405.0	15.0	390.0	3.7	33.1	12,916	1,476	11.43	3.09
1987/88	417.0	15.0	402.0	3.6	32.3	12,990	1,517	11.68	3.25
1988/89	421.0	17.0	404.0	4.0	31.6	12,766	1,566	12.27	3.04
1989/90	420.0	15.0	405.0	3.6	31.4	12,717	1,399	11.00	3.08
1990/91	434.0	15.0	419.0	3.5	35.5	14,874	1,806	12.14	3.51
1991/92	443.0	15.0	428.0	3.4	34.9	14,937	1,832	12.27	3.62
1992/93	443.0	17.0	426.0	3.8	33.2	14,143	1,710	12.09	3.15
1993/94	444.0	19.0	425.0	4.3	34.1	14,493	1,771	12.22	4.17
1994/95	444.0	21.0	423.0	4.7	33.6	14,213	1,726	12.14	4.08
1995/96	437.0	20.0	417.0	4.6	34.6	14,428	1,771	12.28	4.25
1996/97	438.0	21.0	417.0	4.8	33.1	13,803	1,679	12.17	4.03
1997/98	440.0	19.0	421.0	4.3	36.9	15,535	1,924	12.38	4.57
1998/99	447.0	21.0	426.0	4.7	40.1	17,083	2,132	12.48	5.00
1999/00	460.0	17.0	443.0	3.7	35.0	15,505	1,966	12.68	4.44
2000/01	445.0	18.0	436.0	4.0	37.5	16,350	2,057	12.58	4.72
2001/02	465.0	20.0	445.0	4.3	35.1	15,620	1,980	12.68	4.45
2002/03	461.0	19.0	442.0	4.1	38.3	16,934	2,125	12.55	4.81
2003/04 3/	438.0	19.0	419.0	4.3	39.3	16,467	2,151	13.06	5.13
Hawaii									
1985	89.4	6.4	83.0	7.2	95.4	7,916	1,012	12.78	12.19
1986	90.2	6.6	83.6	7.3	100.2	8,379	1,043	12.45	12.48
1987	86.5	7.0	79.5	8.1	100.8	8,014	929	11.59	11.69
1988	86.1	7.2	78.9	8.4	96.4	7,606	928	12.20	11.76
1989	81.4	6.7	74.7	8.2	94.8	7,082	865	12.21	11.58
1990	79.0	7.0	72.0	8.9	90.8	6,538	821	12.56	11.40
1991	74.0	6.6	67.4	8.9	86.9	5,857	724	12.36	10.74
1992	67.9	6.2	61.7	9.1	88.0	5,430	649	11.95	10.52
1993	69.9	5.1	64.8	7.3	85.0	5,508	677	12.29	10.44
1994	69.3	5.0	64.3	7.2	81.9	5,266	657	12.47	10.21
1995	53.0	4.5	48.5	8.5	81.5	3,953	491	12.42	10.12
1996	46.0	3.1	42.9	6.7	82.6	3,544	432	12.18	10.06
1997	34.2	2.2	32.0	6.4	91.4	2,925	363	12.41	11.34
1998	32.5	2.2	30.3	6.8	90.0	2,727	354	12.98	11.68
1999	37.3	1.9	35.4	5.1	81.7	2,892	368	12.71	10.38
2000	32.0	1.8	30.2	5.6	78.3	2,365	301	12.73	9.97
2001	21.0	1.7	19.3	8.1	97.3	1,878	246	13.11	12.76
2002	25.1	1.5	23.6	6.0	94.3	2,225	280	12.58	11.86
2003 3/	22.0	1.5	20.5	6.8	99.0	2,030	261	12.86	12.73
Louisiana									
1985/86	250.0	24.0	226.0	9.6	24.0	5,430	532	9.80	2.35
1986/87	270.0	22.0	248.0	8.1	27.3	6,770	671	9.91	2.71
1987/88	285.0	22.0	263.0	7.7	22.7	5,970	731	12.24	2.78
1988/89	305.0	26.0	279.0	8.5	25.3	7,050	797	11.30	2.86
1989/90	315.0	25.0	290.0	7.9	25.7	7,440	844	11.34	2.91
1990/91	245.0	44.0	201.0	18.0	20.6	4,150	438	10.55	2.18
1991/92	345.0	24.0	321.0	7.0	22.1	7,090	763	10.77	2.38
1992/93	375.0	30.0	345.0	8.0	23.2	8,010	876	10.93	2.54
1993/94	390.0	30.0	360.0	7.7	22.8	8,220	893	10.86	2.48

continued--

Table 15--U.S. sugarcane: Area, yield, production, sugar output, recovery rate, and sugar yield per acre, crop years 1/--Continued

year	Total	Area for seed	For sugar	Percent area for seed	Sugarcane yield for sugar	Sugarcane production for sugar	Sugar production	Recovery rate	Sugar yield per acre 2/
		----- 1,000 acres -----		Percent	Tons/acre	1,000 short tons	1,000 tons, raw value	Percent	Short tons, raw value
Louisiana--continued									
1994/95	380.0	28.0	352.0	7.4	24.4	8,589	1,019	11.86	2.89
1995/96	400.0	32.0	368.0	8.0	25.6	9,421	1,057	11.22	2.87
1996/97	370.0	35.0	335.0	9.5	27.9	9,347	1,055	11.28	3.15
1997/98	410.0	30.0	380.0	7.3	28.2	10,716	1,262	11.78	3.32
1998/99	435.0	35.0	400.0	8.0	29.7	11,880	1,327	11.17	3.32
1999/00	465.0	30.0	435.0	6.5	32.7	14,225	1,683	11.83	3.87
2000/01	500.0	35.0	465.0	7.0	29.7	13,811	1,585	11.48	3.41
2001/02	495.0	35.0	460.0	7.1	29.0	13,340	1,587	11.90	3.45
2002/03	495.0	30.0	465.0	6.1	29.0	13,485	1,360	10.09	2.92
2003/04 3/	490.0	40.0	450.0	8.2	26.2	11,790	1,458	12.36	3.24
Texas									
1985/86	31.9	1.5	30.4	4.7	30.1	916	76	8.30	2.50
1986/87	31.0	1.9	29.1	6.1	29.9	871	91	10.45	3.13
1987/88	35.1	1.3	33.8	3.7	31.1	1,052	106	10.08	3.14
1988/89	33.2	1.5	31.7	4.5	33.3	1,057	107	10.12	3.38
1989/90	35.5	1.9	33.6	5.4	24.7	830	69	8.31	2.05
1990/91	36.2	1.8	34.4	5.0	26.5	913	88	9.64	2.56
1991/92	34.9	1.7	33.2	4.9	32.4	1,076	109	10.16	3.29
1992/93	39.3	1.6	37.7	4.1	34.2	1,290	138	10.67	3.65
1993/94	44.4	0.9	43.5	2.0	32.5	1,414	146	10.35	3.37
1994/95	43.5	1.1	42.4	2.5	31.5	1,336	144	10.78	3.40
1995/96	42.3	1.1	41.2	2.6	32.4	1,335	134	10.04	3.25
1996/97	34.9	0.3	34.6	0.9	28.7	993	91	9.16	2.63
1997/98	29.8	2.5	27.3	8.4	30.3	827	80	9.62	2.91
1998/99	32.6	0.6	32.0	1.8	32.9	1,053	106	10.08	3.32
1999/00	31.0	3.0	28.0	9.7	34.1	955	105	11.01	3.75
2000/01	46.3	0.8	45.5	1.7	38.8	1,765	206	11.68	4.53
2001/02	47.0	1.0	46.0	2.1	42.1	1,937	174	8.97	3.78
2002/03	44.5	0.9	43.6	2.0	39.1	1,705	191	11.20	4.38
2003/04 3/	45.1	1.3	43.8	2.9	37.9	1,660	188	11.33	4.29
Total cane									
1985/86	770.0	47.2	722.8	6.1	37.2	26,877	3,033	11.28	4.20
1986/87	796.2	45.5	750.7	5.7	38.5	28,936	3,281	11.34	4.37
1987/88	823.6	45.3	778.3	5.5	36.0	28,026	3,283	11.71	4.22
1988/89	845.3	51.7	793.6	6.1	35.9	28,479	3,398	11.93	4.28
1989/90	851.9	48.6	803.3	5.7	34.9	28,069	3,177	11.32	3.95
1990/91	794.2	67.8	726.4	8.5	36.4	26,475	3,153	11.91	4.34
1991/92	896.9	47.3	849.6	5.3	34.1	28,960	3,429	11.84	4.04
1992/93	925.2	54.8	870.4	5.9	33.2	28,873	3,372	11.68	3.87
1993/94	948.3	55.0	893.3	5.8	33.2	29,635	3,487	11.76	3.90
1994/95	936.8	55.1	881.7	5.9	33.3	29,404	3,545	12.06	4.02
1995/96	932.3	57.6	874.7	6.2	33.3	29,137	3,454	11.85	3.95
1996/97	888.9	59.4	829.5	6.7	33.4	27,687	3,256	11.76	3.93
1997/98	914.0	53.7	860.3	5.9	34.9	30,003	3,628	12.09	4.22
1998/99	947.1	58.8	888.3	6.2	36.9	32,743	3,919	11.97	4.41
1999/00	993.3	51.9	941.4	5.2	35.7	33,577	4,122	12.27	4.38
2000/01	1,023.3	55.6	976.7	5.4	35.1	34,291	4,149	12.10	4.25
2001/02	1,027.8	57.5	970.3	5.6	33.8	32,775	3,980	12.14	4.10
2002/03	1,023.2	51.3	971.9	5.0	34.9	33,903	3,974	11.72	4.09
2003/04 3/	995.1	61.8	933.3	6.2	34.2	31,947	4,058	12.70	4.35

---= Not available. 1/ Crop year is October/September for Florida, Louisiana, and Texas. Crop year for Hawaii is the calendar year.

2/ Yield per acre harvested for sugar only (excludes sugarcane for seed). 3/ Forecast.

Sources: "Crop Production," National Agricultural Statistics Service; "Sweetener Market Data," Farm Service Agency, USDA; and the World Agricultural Supply and Demand Estimates report, USDA.

Table 16--U.S. beet and cane sugar production (including Puerto Rico), by fiscal year and share of total

Crop year	Fiscal year 1/ (October/September)			Share of production		
	Beet	Cane	Beet and cane	Beet	Cane	Beet and cane
	1,000 short tons, raw value			Percent		
1980/81	3,234	2,987	6,221	52.0	48.0	100
1981/82	3,318	2,804	6,122	54.2	45.8	100
1982/83	2,692	3,263	5,955	45.2	54.8	100
1983/84	2,837	3,073	5,910	48.0	52.0	100
1984/85	2,915	3,025	5,940	49.1	50.9	100
1985/86	2,988	3,136	6,124	48.8	51.2	100
1986/87	3,653	3,506	7,159	51.0	49.0	100
1987/88	3,822	3,425	7,247	52.7	47.3	100
1988/89	3,396	3,408	6,804	49.9	50.1	100
1989/90	3,466	3,225	6,691	51.8	48.2	100
1990/91	3,854	3,124	6,978	55.2	44.8	100
1991/92	3,845	3,461	7,306	52.6	47.4	100
1992/93	4,392	3,446	7,838	56.0	44.0	100
1993/94	4,090	3,565	7,655	53.4	46.6	100
1994/95	4,493	3,434	7,927	56.7	43.3	100
1995/96	3,916	3,454	7,370	53.1	46.9	100
1996/97	4,013	3,191	7,204	55.7	44.3	100
1997/98	4,389	3,632	8,021	54.7	45.3	100
1998/99	4,423	3,951	8,374	52.8	47.2	100
1999/00	4,956	4,076	9,032	54.9	45.1	100
2000/01	4,680	4,089	8,769	53.4	46.6	100
2001/02	3,915	3,985	7,900	49.6	50.4	100
2002/03	4,415	3,964	8,379	52.7	47.3	100
2003/04	4,863	4,077	8,940	54.4	45.6	100
2004/05 2/	4,520	4,070	8,590	52.6	47.4	100

1/ Reported quarterly by "Sugar Market Statistics," NASS, prior to IV quarter 1991, and currently by "Sweetener Market Data," FSA, USDA. 2/ Forecast.
Sources: National Agricultural Statistics Service and Farm Service Agency, USDA.

Table 17--U.S. sugarbeet area, yield, and production

Crop Year	Planted	Harvested	Sugarbeets	Yield per harvested acre	Sugar	Recovery rate	Sugar yield per harvested acre
	---1,000 acres---		1,000 short tons	Tons	1,000 tons	Percent	Tons
1980	1,231	1,190	23,502	19.7	3,234	13.8	2.72
1981	1,254	1,228	27,538	22.4	3,318	12.0	2.70
1982	1,054	1,027	20,894	20.3	2,692	12.9	2.62
1983	1,081	1,056	20,992	19.9	2,837	13.5	2.69
1984	1,124	1,096	22,134	20.2	2,915	13.2	2.66
1985	1,125	1,102	22,529	20.4	2,988	13.3	2.71
1986	1,232	1,191	25,162	21.1	3,653	14.5	3.07
1987	1,267	1,252	28,072	22.4	3,822	13.6	3.05
1988	1,327	1,301	24,810	19.1	3,396	13.7	2.61
1989	1,324	1,295	25,131	19.4	3,466	13.8	2.68
1990	1,400	1,377	27,513	20.0	3,854	14.0	2.80
1991	1,427	1,387	28,203	20.3	3,845	13.6	2.77
1992	1,437	1,412	29,143	20.6	4,392	15.1	3.11
1993	1,438	1,409	26,249	18.6	4,090	15.6	2.90
1994	1,476	1,443	31,853	22.1	4,493	14.1	3.11
1995	1,445	1,420	28,065	19.8	3,916	14.0	2.76
1996	1,368	1,323	26,680	20.2	4,013	15.0	3.03
1997	1,459	1,428	29,886	20.9	4,389	14.7	3.07
1998	1,498	1,451	32,499	22.4	4,423	13.6	3.05
1999	1,561	1,527	33,420	21.9	4,956	14.8	3.24
2000	1,564	1,373	32,541	23.7	4,680	14.4	3.41
2001	1,371	1,243	25,764	20.7	3,914	15.2	3.15
2002	1,427	1,361	27,718	20.4	4,415	15.9	3.24
2003	1,365	1,348	30,605	22.7	4,875	15.9	3.62
2004 1/	1,359	NA	NA	NA	4,520	NA	NA

1/ Forecast.

Source: USDA

Table 18--U.S. production of beet sugar and cane sugar by State, monthly, quarterly, fiscal, and calendar year

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar year	Fiscal year 1/
1,000 short tons, raw value																		
Florida:																		
1992	424	350	251	0	0	0	0	0	0	37	309	368	: 1,024	0	0	714	1,738	: 1,832
1993	270	372	310	44	0	0	0	0	0	57	348	384	: 952	44	0	789	1,785	: 1,710
1994	393	297	284	8	0	0	0	0	0	65	255	314	: 973	8	0	634	1,615	: 1,771
1995	386	350	351	5	0	0	0	0	0	21	384	397	: 1,087	5	0	802	1,894	: 1,726
1996	434	367	169	0	0	0	0	0	0	36	314	387	: 970	0	0	737	1,707	: 1,771
1997	426	376	140	0	0	0	0	0	0	87	385	289	: 942	0	0	761	1,703	: 1,679
1998	447	306	309	101	0	0	0	0	0	99	282	422	: 1,062	101	0	804	1,967	: 1,924
1999	439	397	366	126	0	0	0	0	0	78	385	385	: 1,202	126	0	848	2,175	: 2,132
2000	454	354	256	54	0	0	0	0	0	128	384	410	: 1,064	54	0	921	2,039	: 1,966
2001	465	390	251	30	0	0	0	0	0	80	382	408	: 1,105	30	0	870	2,005	: 2,057
2002	430	293	345	47	0	0	-4	0	0	134	354	329	: 1,068	47	-4	816	1,927	: 1,980
2003	441	400	377	95	0	0	0	0	0	148	391	381	: 1,218	95	0	921	2,233	: 2,129
2004	433	376	364	57														
Louisiana:																		
1992	0	0	0	0	0	0	0	0	1	233	354	274	: 0	0	1	861	862	: 763
1993	15	0	0	0	0	0	0	0	0	277	372	241	: 15	0	0	890	905	: 876
1994	0	0	0	0	0	0	0	0	2	298	438	280	: 0	0	2	1,016	1,019	: 893
1995	2	0	0	0	0	0	0	0	0	294	414	344	: 3	0	0	1,053	1,055	: 1,019
1996	4	0	0	0	0	0	0	0	0	236	421	382	: 4	0	0	1,038	1,043	: 1,057
1997	7	0	0	0	0	0	0	0	8	406	473	374	: 8	0	8	1,253	1,269	: 1,055
1998	9	0	0	0	0	0	0	0	0	289	421	453	: 9	0	0	1,163	1,172	: 1,262
1999	103	0	0	0	0	0	0	0	69	506	515	547	: 95	0	69	1,568	1,732	: 1,327
2000	73	0	0	0	0	0	0	0	43	511	479	473	: 73	0	43	1,463	1,578	: 1,683
2001	60	0	-1	0	0	0	0	0	64	537	557	401	: 59	0	64	1,496	1,619	: 1,585
2002	44	0	0	0	0	0	0	1	46	298	419	439	: 44	0	47	1,157	1,248	: 1,587
2003	128	0	0	0	0	0	0	0	80	503	516	340	: 128	0	80	1,358	1,566	: 1,367
2004	0	0	0	0														
Texas:																		
1992	0	10	29	15	5	1	0	0	0	20	15	25	: 39	20	0	60	119	: 109
1993	27	23	23	1	0	0	0	0	3	25	25	24	: 74	1	3	73	151	: 138
1994	17	24	22	7	0	0	0	0	4	19	27	25	: 63	7	4	71	144	: 146
1995	20	25	24	0	0	2	0	0	3	17	15	20	: 69	2	3	52	125	: 144
1996	28	26	29	0	0	0	0	0	0	11	24	27	: 82	0	0	61	144	: 134
1997	25	5	0	0	0	0	0	0	0	4	16	29	: 30	0	0	50	80	: 91
1998	30	0	0	0	0	0	0	0	0	0	4	22	: 30	0	0	26	56	: 80
1999	25	24	24	7	0	0	0	0	0	12	24	30	: 73	7	0	67	147	: 106
2000	28	11	0	0	0	0	0	0	0	17	27	29	: 38	0	0	72	111	: 105
2001	33	24	31	29	16	0	0	0	0	24	23	28	: 89	45	0	75	209	: 206
2002	34	29	32	4	0	0	0	0	0	14	11	32	: 95	4	0	56	155	: 174
2003	29	25	29	33	19	0	0	0	0	0	18	33	: 83	52	0	51	186	: 191
2004	27	29	26	15														

continued--

Table 18--U.S. production of beet sugar and cane sugar by State, monthly, quarterly, fiscal, and calendar year--Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar year	Fiscal year 1/
1,000 short tons, raw value																		
Hawaii:																		
1992	8	11	44	60	75	96	87	94	53	58	50	12	63	232	234	120	649	688
1993	11	20	42	56	89	78	73	92	76	74	51	15	73	223	241	140	677	657
1994	9	15	26	62	102	86	102	91	73	63	21	7	50	250	266	91	657	705
1995	8	8	26	48	58	65	75	62	58	61	12	9	42	171	195	83	491	499
1996	7	10	23	36	54	72	53	59	62	34	14	9	40	161	174	56	432	458
1997	0	0	1	24	35	61	50	65	48	38	24	17	1	121	162	79	363	340
1998	1	10	10	21	30	40	52	59	47	46	32	5	21	91	159	83	354	350
1999	0	2	11	43	62	49	43	47	44	35	23	8	13	153	135	67	368	384
2000	0	8	12	37	41	42	44	32	34	30	14	6	20	120	110	50	301	318
2001	0	1	17	24	28	31	31	30	28	25	17	13	18	83	89	55	246	241
2002	0	6	19	21	17	34	36	30	32	25	24	25	26	72	98	74	270	251
2003	0	0	20	21	36	32	33	34	27	23	25	11	20	89	93	59	261	276
2004	0	4	13	19														
Puerto Rico: 2/																		
1992	0	1	40	26	1	0	0	0	0	0	0	0	41	27	0	0	68	68
1993	0	11	27	24	3	0	0	0	0	0	0	0	38	27	0	0	65	65
1994	0	18	22	10	0	0	0	0	0	0	0	0	40	10	0	0	50	50
1995	0	7	20	14	5	0	0	0	0	0	0	0	28	18	0	0	46	46
1996	0	6	17	8	3	0	0	0	0	0	0	0	22	12	0	0	34	34
1997	0	3	10	12	2	0	0	0	0	0	0	0	13	14	0	0	27	27
1998	0	0	3	8	4	1	0	0	0	0	0	0	3	13	0	0	16	16
1999	0	0	0	1	2	0	0	0	0	0	0	0	0	3	0	0	3	3
2000	0	0	1	2	1	0	0	0	0	0	0	0	1	3	0	0	4	4
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total U.S. cane sugar:																		
1992	432	372	363	101	81	97	87	94	54	348	728	680	1,167	279	235	1,756	3,436	3,461
1993	322	427	402	126	92	78	73	92	78	433	795	664	1,151	296	243	1,892	3,582	3,446
1994	419	353	354	87	102	86	102	91	79	445	741	626	1,126	275	272	1,812	3,485	3,566
1995	417	391	420	66	63	67	75	62	60	393	825	770	1,229	196	198	1,989	3,611	3,434
1996	473	409	238	44	57	72	53	59	62	316	773	805	1,119	173	174	1,894	3,359	3,454
1997	458	383	152	37	37	61	50	65	56	536	898	709	993	135	171	2,143	3,441	3,192
1998	486	316	322	130	34	41	52	59	47	435	739	902	1,124	205	159	2,076	3,564	3,631
1999	558	422	402	177	64	49	43	47	113	631	948	970	1,382	290	204	2,549	4,425	3,952
2000	554	373	270	93	42	42	44	32	77	686	904	918	1,197	177	153	2,507	4,034	4,076
2001	558	415	297	83	44	31	31	30	92	667	980	850	1,271	158	153	2,497	4,079	4,089
2002	508	329	396	71	17	34	31	30	78	471	808	825	1,232	122	140	2,104	3,599	3,992
2003	599	425	426	148	55	32	33	34	106	675	950	764	1,449	235	173	2,389	4,247	3,964
2004	460	409	403	90														

continued--

Table 18--U.S. production of beet sugar and cane sugar by State, monthly, quarterly, fiscal, and calendar year--Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Calendar year	Fiscal year 1/
1,000 short tons, raw value																		
U.S. beet sugar:																		
1992	477	332	201	189	164	111	101	69	326	698	748	718	1,010	464	496	2,164	4,133	3,845
1993	569	352	317	211	178	138	111	114	239	646	680	695	1,237	527	464	2,021	4,249	4,392
1994	548	314	246	166	111	86	108	125	365	694	704	716	1,109	363	597	2,115	4,184	4,090
1995	594	329	281	290	237	152	114	102	280	649	675	665	1,204	679	496	1,988	4,367	4,494
1996	469	295	245	253	164	104	66	79	252	626	669	686	1,010	522	397	1,981	3,909	3,916
1997	474	279	329	284	162	98	101	81	224	638	652	655	1,082	544	405	1,945	3,976	4,013
1998	559	411	283	281	206	132	103	131	341	625	653	605	1,252	618	574	1,883	4,327	4,389
1999	547	399	308	318	301	123	73	118	354	709	722	703	1,254	741	545	2,134	4,674	4,423
2000	662	458	370	299	280	154	110	131	377	667	687	727	1,491	734	618	2,081	4,924	4,976
2001	619	448	363	298	237	134	90	117	293	635	681	655	1,430	669	499	1,971	4,569	4,680
2002	541	396	291	225	97	56	69	80	188	617	687	655	1,228	379	337	1,960	3,903	3,914
2003	548	397	283	268	234	137	85	119	385	683	683	681	1,227	640	589	2,047	4,503	4,416
2004	615	469	374	341														
Total beet and cane:																		
1992	909	704	564	290	245	208	189	163	379	1,046	1,475	1,398	2,177	743	731	3,919	7,569	7,306
1993	891	778	719	336	270	216	184	206	317	1,079	1,475	1,359	2,388	823	707	3,913	7,831	7,837
1994	967	667	600	254	213	172	210	216	444	1,139	1,446	1,341	2,235	638	870	3,926	7,669	7,656
1995	1,011	721	701	356	300	219	189	164	340	1,042	1,500	1,435	2,433	875	694	3,977	7,978	7,928
1996	942	703	483	297	221	176	118	139	313	942	1,442	1,491	2,129	694	570	3,874	7,268	7,370
1997	932	662	481	321	200	159	151	146	280	1,174	1,550	1,364	2,075	679	576	4,088	7,418	7,205
1998	1,045	726	604	411	240	173	155	190	388	1,059	1,392	1,507	2,376	824	733	3,959	7,891	8,020
1999	1,105	822	710	495	364	172	117	166	467	1,340	1,670	1,673	2,636	1,031	749	4,682	9,099	8,375
2000	1,217	831	640	392	322	196	154	163	454	1,352	1,591	1,645	2,687	911	771	4,588	8,958	9,052
2001	1,177	863	660	382	281	165	121	147	384	1,302	1,661	1,505	2,701	828	653	4,468	8,649	8,769
2002	1,049	725	687	296	115	90	100	110	267	1,088	1,495	1,480	2,460	501	477	4,064	7,502	7,906
2003	1,146	822	709	417	289	169	118	153	491	1,358	1,633	1,445	2,677	875	762	4,436	8,750	8,379
2004	1,075	878	777	431														

NA=Not available. 1/ Twelve months beginning previous October. 2/ Prior to January 1994, data from industry sources in Puerto Rico.

Note: This table commenced in October 1991 when USDA began reporting monthly production data. Totals may not add due to rounding.

Sources: "Sugar Market Statistics," National Agricultural Statistics Service; "Sweetener Market Data," Farm Service Agency, USDA.

Table 19--U.S. cane and beet sugar deliveries, monthly, quarterly, and by fiscal and calendar year

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Fiscal	Calendar
1,000 short tons, raw value																		
U.S. beet sugar for domestic consumption:																		
1992	301	284	315	312	283	341	344	356	375	343	357	355	901	935	1,075	1,055	3,902	3,966
1993	303	287	397	299	328	367	358	372	367	346	325	338	988	994	1,097	1,008	4,134	4,087
1994	312	313	370	303	338	406	360	406	437	338	304	282	995	1,047	1,204	924	4,254	4,170
1995	301	311	378	311	356	399	384	450	465	404	395	331	989	1,066	1,300	1,131	4,279	4,486
1996	316	342	361	343	338	325	350	335	300	333	315	267	1,018	1,006	984	915	4,139	3,923
1997	280	272	315	312	326	332	351	373	428	375	316	317	867	970	1,152	1,009	3,903	3,997
1998	324	316	362	344	342	401	393	388	409	392	334	308	1,002	1,087	1,190	1,034	4,288	4,313
1999	319	325	374	346	361	417	400	427	416	438	392	321	1,018	1,124	1,244	1,151	4,419	4,536
2000	320	340	385	341	393	384	348	411	392	412	378	329	1,045	1,118	1,152	1,119	4,465	4,433
2001	366	346	401	375	405	403	414	450	408	429	373	311	1,113	1,183	1,272	1,112	4,686	4,680
2002	349	315	347	340	375	332	369	365	488	368	344	303	1,012	1,047	1,223	1,015	4,394	4,297
2003	315	307	341	338	338	365	380	366	760	191	216	340	962	1,041	1,506	747	4,518	4,256
2004	355	364	402	397														
Cane sugar for domestic consumption:																		
1992	324	339	406	406	375	455	417	419	468	479	371	349	1,069	1,236	1,303	1,200	4,820	4,808
1993	311	339	391	387	351	423	422	441	469	427	424	395	1,042	1,161	1,332	1,246	4,734	4,781
1994	332	358	422	361	400	448	411	427	473	443	434	420	1,112	1,209	1,310	1,298	4,877	4,929
1995	340	332	432	380	424	438	369	444	423	431	413	381	1,104	1,243	1,236	1,226	4,880	4,808
1996	353	376	443	425	452	471	463	488	565	547	500	456	1,172	1,349	1,515	1,504	5,262	5,539
1997	397	396	481	444	474	509	462	476	500	525	459	431	1,274	1,427	1,437	1,416	5,641	5,553
1998	369	391	470	430	429	481	432	438	503	486	467	451	1,230	1,339	1,374	1,404	5,358	5,347
1999	355	379	453	452	500	476	433	490	485	483	481	433	1,186	1,429	1,407	1,396	5,427	5,419
2000	383	404	484	425	452	488	455	530	471	534	481	398	1,272	1,365	1,456	1,414	5,490	5,508
2001	410	371	470	413	431	458	419	446	417	487	468	385	1,251	1,302	1,282	1,340	5,248	5,174
2002	392	378	437	424	458	490	472	487	549	468	445	408	1,208	1,373	1,507	1,322	5,427	5,409
2003	372	377	467	434	408	475	421	488	415	475	485	412	1,216	1,317	1,324	1,372	5,177	5,229
2004	345	391	405	376														
Importers direct consumption:																		
1992	6	6	3	3	2	2	2	7	3	6	7	6	15	7	12	19	49	52
1993	4	2	3	2	5	9	1	2	1	9	6	8	10	17	3	23	48	52
1994	5	3	6	1	4	4	5	5	7	10	15	12	14	9	18	38	63	78
1995	9	1	1	2	0	0	1	1	4	17	5	0	12	3	6	22	59	44
1996	0	0	0	0	0	0	0	1	19	10	1	1	1	1	20	12	44	33
1997	1	0	1	2	1	1	1	0	1	15	2	2	2	2	2	19	20	27
1998	0	1	0	0	1	1	1	0	0	13	5	1	1	2	1	19	23	24
1999	3	1	0	0	0	0	0	0	4	27	3	4	4	0	4	33	28	41
2000	0	0	1	0	0	0	0	0	3	26	4	1	1	0	3	31	38	36
2001	5	1	0	0	0	0	3	21	3	6	10	8	6	1	27	24	65	58
2002	3	1	4	7	1	12	3	6	14	36	19	2	8	20	24	58	76	109
2003	3	1	1	1	0	1	1	1	4	25	15	5	5	2	6	44	71	58
2004	1	1	5	3														

continued--

Table 19--U.S. cane and beet sugar deliveries, monthly, quarterly, and by fiscal and calendar year--Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Fiscal	Calendar
1,000 short tons, raw value																		
Total sugar for domestic consumption:																		
1992	631	629	725	720	660	798	763	782	846	828	736	710	1,985	2,178	2,390	2,273	8,772	8,826
1993	619	629	791	688	685	799	782	815	836	783	755	740	2,039	2,172	2,432	2,277	8,916	8,920
1994	649	674	798	665	742	857	776	838	918	792	754	714	2,121	2,265	2,532	2,260	9,195	9,177
1995	651	644	811	694	780	837	755	894	892	853	813	713	2,105	2,311	2,542	2,379	9,218	9,337
1996	670	718	804	769	790	796	813	823	883	891	816	724	2,191	2,355	2,519	2,430	9,445	9,496
1997	678	668	797	758	801	841	813	849	928	915	778	750	2,143	2,401	2,591	2,443	9,565	9,578
1998	694	707	832	774	772	883	826	826	913	892	806	760	2,233	2,428	2,565	2,458	9,669	9,684
1999	676	704	827	798	861	894	833	916	905	947	876	757	2,208	2,553	2,655	2,580	9,873	9,996
2000	703	745	870	766	845	872	804	941	867	973	863	728	2,318	2,484	2,611	2,564	9,993	9,977
2001	781	718	871	788	837	861	835	917	828	923	851	703	2,370	2,486	2,580	2,474	10,000	9,911
2002	744	695	788	771	834	834	844	858	1,051	873	805	709	2,227	2,439	2,754	2,388	9,894	9,808
2003	689	685	809	772	746	841	802	856	1,179	691	716	757	2,183	2,360	2,836	2,163	9,767	9,542
2004	701	756	812	776														
Re-exported in products:																		
1992	8	6	5	6	10	9	6	8	8	10	8	7	19	26	23	26	86	93
1993	10	4	9	7	7	12	14	22	20	8	8	7	23	26	57	24	132	129
1994	7	7	7	9	15	15	10	17	17	12	11	5	20	39	44	28	127	131
1995	3	7	7	8	4	7	15	18	5	6	8	7	18	18	39	21	103	96
1996	5	5	10	14	8	8	8	13	11	9	7	6	20	30	32	22	104	104
1997	32	30	6	6	7	10	12	16	17	7	6	8	68	22	45	21	157	156
1998	6	9	9	12	10	10	14	15	16	18	15	11	24	32	46	44	123	146
1999	26	19	12	14	11	10	15	10	7	9	5	7	58	35	32	21	169	145
2000	7	7	7	7	8	7	6	11	5	6	6	7	21	22	22	18	86	84
2001	8	5	8	9	10	10	11	11	8	10	16	13	21	29	30	40	98	120
2002	15	13	11	12	12	11	12	14	15	17	12	14	39	35	42	43	156	158
2003	16	13	14	14	15	20	19	15	13	16	10	9	44	49	47	35	183	175
2004	9	10	9	10														
Polyhydric alcohol and livestock feed use:																		
1992	1	1	1	2	1	1	2	2	2	2	1	1	4	4	5	4	17	17
1993	2	2	1	1	1	1	1	1	1	1	1	1	5	4	3	2	15	14
1994	1	1	1	1	1	1	1	1	1	1	1	1	4	3	4	4	13	14
1995	1	1	2	1	2	2	1	2	2	2	1	1	4	5	4	4	17	17
1996	1	1	2	1	2	2	2	2	2	2	1	1	4	5	5	5	18	18
1997	1	1	1	2	2	2	2	2	3	2	1	2	4	6	6	5	21	21
1998	1	1	2	2	2	1	2	2	2	2	2	2	4	5	5	6	20	21
1999	1	2	2	2	2	2	2	2	2	2	2	3	5	6	6	8	24	26
2000	3	3	3	3	2	2	3	2	3	2	3	2	9	8	7	7	32	30
2001	3	3	3	3	4	3	3	4	10	4	3	2	8	10	17	9	42	44
2002	3	2	2	2	3	4	4	2	2	2	2	1	7	8	8	5	33	28
2003	2	2	2	2	2	2	2	2	2	2	3	3	6	7	7	7	24	27
2004	3	3	4	4														

continued--

Table 19--U.S. cane and beet sugar deliveries, monthly, quarterly, and by fiscal and calendar year--Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1st Q.	2nd Q.	3rd Q.	4th Q.	Fiscal	Calendar
1,000 short tons, raw value																		
Total U.S. sugar deliveries 1/:																		
1992	640	637	731	728	671	809	771	792	856	840	745	718	2,007	2,208	2,418	2,303	8,875	8,937
1993	630	635	801	697	693	812	797	838	857	792	763	748	2,067	2,201	2,492	2,303	9,063	9,063
1994	657	682	806	675	758	873	787	856	936	804	767	720	2,145	2,307	2,579	2,291	9,334	9,322
1995	655	653	820	703	786	846	772	914	899	861	823	721	2,127	2,334	2,585	2,405	9,337	9,451
1996	676	724	815	785	800	806	822	838	896	901	824	731	2,215	2,390	2,557	2,457	9,567	9,619
1997	712	699	804	766	810	854	827	867	948	924	785	760	2,215	2,429	2,641	2,469	9,742	9,755
1998	701	718	843	787	784	894	843	843	931	912	823	773	2,261	2,465	2,616	2,508	9,812	9,854
1999	704	725	842	814	875	906	850	928	915	958	883	767	2,271	2,594	2,693	2,609	10,066	10,167
2000	713	755	880	776	855	881	813	954	875	981	871	737	2,348	2,513	2,641	2,589	10,111	10,091
2001	792	726	882	800	851	874	849	932	847	937	870	719	2,399	2,524	2,628	2,526	10,140	10,075
2002	761	710	801	786	848	849	860	875	1,069	895	822	729	2,272	2,483	2,804	2,445	10,085	9,994
2003	707	701	825	788	764	863	823	873	1,195	709	728	769	2,233	2,415	2,891	2,206	9,974	9,745
2004	712	769	825	790														

Totals may not add due to rounding.

Note: This table commenced in October 1991 when USDA began reporting monthly production data. Puerto Rico data were added beginning October 1993.

1/ Fiscal year totals prior to 1994 differ from supply and use (table) since WASDE includes Puerto Rico.

Source: "Sweetener Market Data," Farm Service Agency, USDA.

Table 20--U.S. sugar deliveries for human consumption by type of user, quarterly and calendar year 1/

Year/ quarter	Bakery, cereal, and allied products	Confectionery and related products	Ice cream and dairy products	Bever- ages	Canned, bottled, & frozen foods	All other food uses	Non- food use	Subtotal industrial use	Hotels, restaurants, and institutions	Wholesale grocers, jobbers, sugar dealers	Retail grocers, chain stores	All other deliv- eries	Subtotal non- industrial use	Total U.S.
1,000 short tons, refined value														
1970	1,468	1,106	547	2,357	928	426	83	6,915	90	2,198	1,320	98	3,706	10,621
1971	1,361	1,056	561	2,365	1,027	493	93	6,956	79	2,158	1,322	95	3,654	10,610
1972	1,449	1,057	599	2,437	987	508	91	7,128	85	2,103	1,316	88	3,592	10,720
1973	1,454	1,035	595	2,469	1,025	502	111	7,191	94	2,063	1,316	106	3,579	10,770
1974	1,443	1,019	570	2,350	949	514	128	6,973	91	2,002	1,354	121	3,568	10,541
1975 1/	1,188	767	488	2,019	702	468	84	5,716	71	1,854	1,231	82	3,239	9,254
1976 1/	1,229	867	518	2,163	682	490	98	6,045	64	2,034	1,270	130	3,498	10,043
1977 1/	1,318	910	542	2,369	708	520	100	6,467	69	2,033	1,262	145	3,510	10,352
1978 1/	1,265	895	538	2,558	672	407	158	6,493	104	1,963	1,168	124	3,359	10,027
1979 1/	1,236	881	460	2,353	644	465	123	6,162	102	1,954	1,214	168	3,438	9,934
1980 1/	1,284	895	436	2,119	516	548	117	5,915	96	1,841	1,150	205	3,292	9,477
1981 1/	1,279	963	451	1,829	474	571	125	5,693	90	1,980	1,152	167	3,389	9,095
1982	1,296	939	404	1,583	450	526	106	5,305	85	1,951	1,086	92	3,214	8,519
1983	1,387	1,087	385	1,248	454	431	131	5,123	94	1,713	1,168	101	3,076	8,199
1984	1,404	1,115	408	908	433	416	127	4,810	108	1,744	1,100	101	3,053	7,863
1985	1,494	1,059	456	340	428	441	131	4,349	85	1,874	1,045	119	3,123	7,472
1986	1,432	1,051	447	266	387	443	138	4,164	84	1,867	1,066	58	3,075	7,239
1987	1,513	1,146	449	212	398	534	149	4,400	91	2,040	996	72	3,199	7,599
1988	1,541	1,107	394	237	354	529	121	4,283	89	2,200	940	86	3,315	7,598
1989	1,532	1,187	426	215	342	637	126	4,465	106	2,051	1,026	75	3,258	7,723
1990	1,608	1,279	462	228	332	642	109	4,660	108	2,130	1,077	76	3,391	8,051
1991	1,632	1,277	439	204	331	623	88	4,594	100	2,079	1,182	108	3,469	8,063
1992	1,719	1,246	429	164	315	649	69	4,591	101	2,104	1,230	233	3,668	8,259
1993	1,785	1,292	424	158	336	725	85	4,805	108	2,075	1,235	171	3,589	8,394
1994	1,952	1,313	453	156	322	704	77	4,977	93	2,039	1,269	197	3,598	8,575
1995	1,905	1,372	452	169	279	863	64	5,103	103	2,173	1,236	189	3,701	8,804
1996	1,993	1,335	445	196	318	849	66	5,202	80	2,241	1,263	175	3,759	8,962
1997	2,161	1,350	436	158	308	793	66	5,272	78	2,283	1,281	186	3,828	9,100
1998	2,301	1,336	438	165	331	907	76	5,556	79	2,223	1,230	229	3,761	9,317
1999	2,312	1,361	499	179	346	862	71	5,630	72	2,257	1,263	212	3,804	9,434
2000	2,264	1,328	499	168	330	817	85	5,491	71	2,241	1,242	339	3,893	9,383
2001	2,273	1,316	484	158	310	800	74	5,414	59	2,250	1,255	364	3,927	9,341
2002	2,069	1,221	530	189	297	736	99	5,141	53	2,374	1,322	366	4,114	9,255
2003	2,043	1,086	534	209	298	614	98	4,883	51	2,551	1,266	352	4,220	9,104

continued--

Table 20--U.S. sugar deliveries for human consumption by type of user, quarterly and calendar year 1/--Continued

Year/ quarter	Bakery, cereal, and allied products	Confectionery and related products	Ice cream and dairy products	Bever- ages	Canned, bottled, & frozen foods	All other food uses	Non- food use	Subtotal industrial use	Hotels, restaurants, and institutions	Wholesale grocers, jobbers, sugar dealers	Retail grocers, chain stores	All other deliv- eries 2/	Subtotal non- industrial use	Total U.S.
1,000 short tons, refined value														
2001														
Jan.	190	119	40	14	22	66	7	457	5	168	77	27	276	733
Feb.	174	105	34	12	20	67	5	417	5	149	74	28	256	673
Mar.	197	124	45	14	23	83	6	492	5	179	99	44	328	819
I	561	348	119	39	65	216	18	1,366	14	496	250	99	859	2,225
Apr.	179	114	43	12	22	78	6	454	5	162	88	36	291	745
May	199	121	45	13	30	72	7	487	6	172	94	34	305	792
June	206	123	44	13	35	70	7	498	5	182	104	27	318	816
II	583	357	132	39	88	221	20	1,439	16	515	286	97	914	2,353
July	188	105	43	12	33	66	7	453	5	191	108	30	334	788
Aug.	214	122	44	13	30	67	7	498	5	204	112	32	353	850
Sep.	186	94	34	13	28	65	6	426	4	195	110	46	355	781
III	588	321	121	38	92	198	20	1,377	15	590	330	107	1,042	2,419
Oct.	209	116	40	16	24	59	6	470	5	235	142	23	406	876
Nov.	181	101	41	14	21	57	5	419	5	221	137	21	385	804
Dec.	152	74	32	11	20	49	5	343	4	192	109	16	321	664
IV	541	291	112	41	66	165	16	1,232	14	649	389	60	1,112	2,344
2002														
Jan.	177	102	39	14	22	63	8	424	5	182	81	18	286	709
Feb.	158	96	37	12	20	64	8	395	4	159	84	20	267	662
Mar.	162	98	43	14	21	67	8	413	4	196	109	22	332	745
I	498	296	118	40	63	194	23	1,232	13	537	274	61	884	2,116
Apr.	171	103	45	16	24	69	8	435	5	178	88	22	292	727
May	179	98	47	16	28	64	10	442	5	194	107	44	350	791
June	171	106	49	18	33	53	9	439	5	199	111	27	342	781
II	521	306	141	50	84	186	27	1,316	14	570	305	93	984	2,299
July	179	109	47	18	29	59	9	449	4	198	118	30	350	799
Aug.	189	110	49	15	33	60	8	464	5	201	113	28	347	811
Sep.	212	111	52	18	30	62	11	495	4	249	122	121	496	991
III	579	330	148	51	92	181	28	1,408	13	648	353	179	1,194	2,602
Oct.	175	107	43	17	21	52	7	422	4	226	141	9	380	801
Nov.	151	98	41	16	18	57	7	389	5	210	136	8	358	747
Dec.	145	83	40	15	18	66	7	375	4	183	113	16	315	690
IV	471	289	124	48	57	175	22	1,185	12	619	389	33	1,053	2,238

continued--

Table 20--U.S. sugar deliveries for human consumption by type of user, quarterly and calendar year 1/

Year/ quarter	Bakery, cereal, and allied products	Confectionery and related products	Ice cream and dairy products	Bever- ages	Canned, bottled, & frozen foods	All other food uses	Non- food use	Subtotal industrial use	Hotels, restaurants, and institutions	Wholesale grocers, jobbers, sugar dealers	Retail grocers, chain stores	All other deliv- eries 2/	Subtotal non- industrial use	Total U.S.
1,000 short tons, refined value														
2003														
Jan.	168	94	38	15	21	66	7	410	4	160	75	16	255	664
Feb.	153	90	41	15	24	52	8	381	3	177	78	16	274	655
Mar.	179	99	47	18	26	60	8	437	5	207	102	23	336	774
I	499	283	126	49	71	177	23	1,228	12	544	255	54	865	2,093
Apr.	171	86	44	17	24	53	8	404	5	199	112	21	337	742
May	168	90	45	18	27	53	8	409	4	191	91	23	308	718
June	177	103	53	19	37	48	10	447	4	224	115	21	364	811
II	516	280	142	55	87	154	26	1,261	13	614	318	65	1,010	2,271
July	186	100	48	19	30	49	9	439	3	196	113	22	334	773
Aug.	191	108	51	19	30	58	8	465	4	221	113	21	359	823
Sep.	236	91	47	19	25	55	8	481	4	400	107	122	633	1,114
III	612	298	147	57	85	161	25	1,385	11	817	333	165	1,325	2,710
Oct.	135	70	37	16	19	36	8	321	6	180	124	13	322	643
Nov.	132	81	42	16	18	40	8	339	4	191	120	17	332	671
Dec.	148	74	41	16	18	44	8	350	5	206	116	38	366	716
IV	416	225	120	49	55	121	24	1,010	15	576	360	68	1,020	2,030
2004														
Jan.	166	85	41	18	21	55	7	393	5	169	73	24	271	664
Feb.	170	91	47	19	21	59	8	415	5	196	86	18	305	720
Mar.	183	87	51	21	22	60	8	432	6	210	102	19	336	768
I	520	263	139	58	64	174	23	1,241	15	575	261	61	912	2,153
Apr.	189	87	51	20	26	54	7	434	8	176	96	35	315	750

1/ Does not include Hawaii until fourth-quarter 1991. Does not include Puerto Rico until fourth-quarter 1993.

2/ Includes deliveries to Government agencies.

Sources: "Sugar Market Statistics," National Agricultural Statistics Service; "Sweetener Market Data," Farm Service Agency, USDA.

Table 21--U.S. sugar deliveries: Industrial and nonindustrial uses by region

Calendar year	Industrial uses							Nonindustrial uses							Total						
	New England	Mid- Atlantic	North central	South	West	Puerto Rico	Total	New England	Mid- Atlantic	North central	South	West	Puerto Rico	Total	New England	Mid- Atlantic	North central	South	West	Puerto Rico	Total
	1,000 short tons, refined																				
1970	258	1,449	2,376	1,658	1,173		6,914	159	601	1,178	1,278	490		3,706	417	2,050	3,554	2,936	1,663		10,620
1971	276	1,462	2,413	1,701	1,105		6,957	153	598	1,149	1,252	501		3,653	429	2,060	3,562	2,953	1,606		10,610
1972	289	1,430	2,527	1,797	1,085		7,128	145	572	1,103	1,255	517		3,592	434	2,002	3,630	3,052	1,602		10,720
1973	282	1,443	2,538	1,844	1,084		7,191	145	556	1,123	1,220	536		3,580	427	1,999	3,661	3,064	1,620		10,771
1974	253	1,311	2,525	1,762	1,121		6,972	151	592	1,080	1,206	540		3,569	404	1,903	3,605	2,968	1,661		10,541
1975 1/	212	1,071	1,960	1,539	933		5,716	129	497	1,012	1,148	452		3,239	341	1,569	2,972	2,688	1,385		9,254
1976 1/	225	1,116	2,034	1,684	838		5,895	140	510	1,068	1,272	507		3,498	365	1,626	3,102	2,955	1,345		10,043
1977 1/	213	1,080	2,301	1,794	1,078		6,467	145	489	1,095	1,268	515		3,511	358	1,569	3,396	3,061	1,593		10,352
1978 1/	226	1,156	2,212	1,835	1,082		6,511	131	474	1,063	1,218	473		3,359	357	1,631	3,275	3,053	1,554		10,027
1979 1/	216	1,111	2,074	1,753	1,009		6,162	131	501	1,064	1,270	499		3,465	347	1,612	3,138	3,023	1,508		9,934
1980 1/	205	1,052	2,194	1,530	934		5,915	117	469	977	1,226	503		3,292	322	1,521	3,171	2,756	1,437		9,477
1981 1/	181	1,041	2,235	1,366	870		5,693	133	474	966	1,291	524		3,389	314	1,515	3,202	2,657	1,394		9,095
1982	167	992	1,979	1,363	804		5,305	122	415	974	1,192	510		3,214	289	1,407	2,953	2,555	1,314		8,519
1983	151	964	1,945	1,260	803		5,123	124	397	815	1,240	500		3,076	275	1,360	2,760	2,500	1,303		8,199
1984	134	941	1,806	1,184	745		4,810	128	400	819	1,233	473		3,053	262	1,341	2,626	2,417	1,218		7,863
1985	108	835	1,797	998	610		4,349	124	461	849	1,175	514		3,123	232	1,297	2,646	2,173	1,124		7,472
1986	108	810	1,698	957	590		4,164	124	421	845	1,198	487		3,075	232	1,231	2,544	2,155	1,077		7,239
1987	120	830	1,840	977	633		4,400	124	445	895	1,218	520		3,199	240	1,275	2,736	2,195	1,153		7,599
1988	112	765	1,866	942	614		4,299	124	496	923	1,208	564		3,315	236	1,261	2,789	2,151	1,178		7,614
1989	107	850	1,882	999	627		4,465	124	466	940	1,144	585		3,259	231	1,316	2,822	2,143	1,212		7,724
1990	99	886	1,962	1,070	634		4,651	118	461	1,014	1,175	618		3,386	217	1,347	2,976	2,245	1,252		8,037
1991 2/	118	865	1,868	1,078	667		4,596	109	472	1,057	1,194	634		3,466	227	1,337	2,925	2,272	1,301		8,062
1992	132	853	1,768	1,155	683		4,591	105	476	1,178	1,217	692		3,668	236	1,329	2,946	2,372	1,375		8,259
1993 2/	124	908	1,836	1,231	698		4,805	103	476	1,123	1,230	659		3,615	227	1,384	2,959	2,461	1,357		8,420
1994	140	961	1,833	1,329	700		4,983	109	440	1,087	1,265	682	80	3,663	249	1,401	2,920	2,595	1,382	100	8,646
1995	140	913	1,824	1,457	745		5,098	100	441	1,134	1,289	685	54	3,703	240	1,354	2,958	2,746	1,429	74	8,801
1996	149	912	1,914	1,517	688		5,205	120	444	1,181	1,244	707	64	3,759	269	1,356	3,095	2,761	1,395	90	8,964
1997	163	925	1,962	1,559	646		5,272	121	445	1,164	1,292	732	73	3,828	284	1,370	3,126	2,851	1,379	91	9,100
1998	186	905	2,099	1,563	685		5,458	98	492	1,109	1,261	729	65	3,755	284	1,397	3,208	2,824	1,415	86	9,213
1999	183	943	2,123	1,652	713		5,630	100	505	1,112	1,312	712	61	3,803	283	1,448	3,235	2,964	1,425	78	9,434
2000	167	924	2,003	1,620	768		5,491	118	522	1,127	1,358	707	61	3,893	284	1,446	3,130	2,978	1,475	71	9,383
2001	169	872	2,016	1,565	784		5,414	112	536	1,150	1,343	728	58	3,927	281	1,408	3,165	2,907	1,512	67	9,341
2002	154	842	1,910	1,412	811		4,134	124	611	1,168	1,471	698	53	4,125	278	1,453	3,078	2,883	1,508	57	9,258
2003	157	799	1,770	1,358	795		4,883	121	661	1,417	1,349	646	25	4,209	279	1,460	3,187	2,707	1,442	30	9,092
continued--																					

Table 21--U.S. sugar deliveries: Industrial and nonindustrial uses by region--Continued

Calendar year	Industrial uses							Nonindustrial uses							Total		
	Mid-Atlantic			North central			Puerto Rico	New England			Mid-Atlantic			Puerto Rico	North central		
	New England	South	West	South	West	West		Total	England	Atlantic	Atlantic	central	South	West	Total	England	Atlantic
Jan.	14	77	168	139	59	0	457	8	42	81	97	44	4	276	22	119	249
Feb.	11	70	152	129	53	1	417	7	39	75	90	40	5	256	19	109	227
Mar.	15	85	175	150	65	1	492	9	46	97	111	59	4	328	24	131	273
I	41	232	496	418	177	2	1,366	25	126	254	299	143	13	859	65	359	749
Apr.	13	74	167	138	62	0	454	8	39	83	99	59	4	291	21	113	249
May	16	80	176	143	70	1	487	9	40	84	114	53	5	305	24	121	260
June	14	86	180	145	73	1	498	10	39	93	108	64	5	318	23	126	273
II	43	241	523	426	204	2	1,439	26	118	260	320	176	14	914	69	359	782
July	14	68	173	128	69	1	453	10	46	97	112	64	6	334	24	114	270
Aug.	14	72	194	138	77	1	498	10	45	107	118	69	5	353	25	117	301
Sep.	15	64	169	115	63	1	426	10	46	113	109	70	6	355	24	110	282
III	43	204	536	381	210	2	1,377	30	137	317	339	203	16	1,042	73	341	853
Oct	14	73	180	126	76	1	470	11	63	118	137	72	5	406	25	136	298
Nov	16	69	157	117	61	0	419	11	48	108	139	74	5	385	27	117	265
Dec	12	53	124	96	56	0	343	9	44	94	110	60	5	321	22	97	218
IV	42	195	462	339	193	1	1,232	32	155	320	385	206	15	1,112	74	349	781
2002																	
Jan	12	67	162	118	64	0	424	8	46	77	107	43	5	286	20	113	239
Feb	11	67	142	112	63	0	395	7	41	69	97	46	5	267	18	108	212
Mar	12	68	152	118	63	0	413	13	46	87	120	60	6	332	25	114	239
I	35	202	456	348	190	1	1,232	28	133	234	324	149	16	884	63	335	690
Apr	11	70	165	122	66	0	435	9	42	79	102	56	5	292	20	113	243
May	12	62	170	127	71	1	442	10	44	90	139	65	3	350	22	106	260
June	15	76	158	117	74	0	439	13	56	92	121	55	6	342	27	132	249
II	38	208	492	365	211	1	1,316	31	142	260	362	175	14	984	69	350	752
July	12	74	169	119	74	0	449	10	49	96	128	63	6	350	22	123	264
Aug.	13	77	180	120	73	1	464	13	50	96	128	57	4	347	26	127	276
Sep.	16	87	199	119	74	1	495	13	66	205	138	69	5	496	29	153	404
III	41	238	548	358	222	2	1,408	36	165	396	393	188	15	1,194	77	403	945
Oct.	13	70	158	115	65	1	422	10	57	94	142	73	3	378	23	127	252
Nov.	15	63	133	118	60	0	389	10	58	99	134	64	4	368	25	121	232
Dec.	12	61	123	109	63	0	368	9	56	85	116	49	1	317	21	117	208
IV	41	194	414	341	187	1	1,178	29	171	278	392	186	8	1,063	70	364	692

continued--

Table 21--U.S. sugar deliveries: Industrial and nonindustrial uses by region

Calendar year	Industrial uses										Nonindustrial uses										Total														
	New England					Mid-Atlantic					North central					South									Puerto Rico										
	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sep.	Oct.	Nov.
2003	11	12	15	38	11	11	14	35	13	17	12	16	12	13	15	11	11	14	35	13	17	12	16	12	13	15	11	11	14	35	13	17	12	16	
	65	63	73	200	56	64	79	200	65	78	67	58	73	58	189	157	146	164	466	161	159	155	475	172	181	192	210	58	75	86	107	122	283		
	115	103	122	341	112	110	120	342	113	119	131	105	107	102	313	115	103	122	341	112	110	120	342	113	119	131	105	107	102	313	115	103	122	341	
	61	57	64	182	64	66	78	208	74	71	78	71	56	55	182	61	57	64	182	64	66	78	208	74	71	78	71	56	55	182	61	57	64		
	410	381	437	1,228	404	409	447	1,261	439	465	481	321	339	350	1,010	410	381	437	1,228	404	409	447	1,261	439	465	481	321	339	350	1,010	410	381	437		
	7	9	11	27	11	11	13	35	9	12	9	10	12	8	30	7	9	11	27	11	11	13	35	9	12	9	10	12	8	30	7	9	11		
	44	50	61	155	52	53	66	171	54	66	54	51	62	48	162	44	50	61	155	52	53	66	171	54	66	54	51	62	48	162	44	50	61		
	72	75	99	245	103	92	104	298	91	102	394	72	81	134	287	72	75	99	245	103	92	104	298	91	102	394	72	81	134	287	72	75	99		
	95	97	115	307	117	100	125	342	114	122	109	126	117	111	354	95	97	115	307	117	100	125	342	114	122	109	126	117	111	354	95	97	115		
	36	39	47	122	53	51	55	160	64	55	66	61	58	61	180	36	39	47	122	53	51	55	160	64	55	66	61	58	61	180	36	39	47		
	255	274	336	865	337	308	364	1,010	359	322	322	332	366	1,020	255	255	274	336	865	337	308	364	1,010	359	322	322	332	366	1,020	255	255	274	336		
	1	3	4	8	1	1	1	4	2	2	1	2	3	8	8	1	1	3	4	8	1	1	1	4	2	2	1	2	3	8	8	1	3	4	
19	21	25	65	21	22	27	70	22	22	21	72	28	21	71	19	21	25	65	21	22	27	70	22	22	28	21	72	28	21	71	19	21	25		
109	113	134	355	108	117	145	371	120	109	120	384	135	106	351	109	113	134	355	108	117	145	371	120	120	135	106	351	109	113	134	355	108	117		
229	220	262	711	263	250	259	773	264	232	282	1,132	167	256	570	229	220	262	711	263	250	259	773	264	264	282	1,132	147	177	223	213	667	203	231		
210	201	237	648	229	210	245	684	227	231	241	709	231	213	667	210	201	237	648	229	210	245	684	227	227	241	709	231	213	667	203	231	201	210		
97	96	111	304	118	117	133	368	138	131	125	408	131	114	362	97	96	111	304	118	117	133	368	138	138	125	408	131	114	362	95	101	96	111		
1	4	4	9	2	2	2	5	2	3	2	7	3	3	9	1	1	4	9	2	2	2	5	2	2	2	3	7	3	3	9	4	5	4		
664	655	774	2,093	742	718	811	2,271	798	804	2,699	643	671	716	2,030	664	655	774	2,093	742	718	811	2,271	798	804	2,699	643	671	716	2,030	666	721	768	2,155		
2004	10	12	11	33	10	11	13	37	13	17	12	16	12	16	12	161	162	169	492	155	148	142	400	161	162	169	492	155	148	142	400	161	162		
	59	67	64	189	59	64	79	204	65	78	67	58	73	58	189	59	67	64	189	59	64	79	204	65	78	67	58	73	58	189	59	67	64		
	109	118	119	346	109	107	120	346	109	107	102	105	107	102	313	109	118	119	346	109	107	120	346	109	107	102	105	107	102	313	109	118	119		
	394	415	432	1,241	394	409	447	1,261	394	465	481	321	339	350	1,010	394	415	432	1,241	394	409	447	1,261	394	465	481	321	339	350	1,010	394	415	432		

1/ Totals may not add due to unspecified regional deliveries.

2/ Does not include Hawaii until fourth-quarter 1991. Does not include Puerto Rico until fourth-quarter 1993. To convert to raw value, multiply by 1.07.

Source: Sugar Market Statistics, NASS; Sweetener Market Data, Farm Service Agency, USDA.

Table 22--U.S. sugar stocks held by primary distributors, by quarters 1/

Year and month	Cane sugar					Commodity Credit Corporation	Beet processors	Total U.S. stocks
	Refiners			Cane processors	Total 2/			
	Refined	Raw	Total					
1,000 short tons, raw value								
January 1								
1990	155	381	536	899	1,421	0	1,412	2,833
1991	168	371	539	812	1,403	0	1,327	2,730
1992	194	619	813	890	1,703	0	1,336	3,039
1993	183	507	690	895	1,585	0	1,640	3,225
1994	218	438	656	1,160	1,816	0	1,696	3,512
1995	185	448	633	906	1,539	6	1,594	3,139
1996	195	334	530	996	1,526	0	1,383	2,909
1997	196	323	519	1,156	1,675	0	1,520	3,195
1998	212	322	534	1,308	1,842	0	1,535	3,377
1999	255	332	587	1,335	1,922	0	1,499	3,421
2000	208	356	564	1,737	2,301	0	1,554	3,855
2001	262	274	536	1,533	2,069	767	1,500	4,337
2002	288	351	639	1,780	2,419	634	1,472	4,525
2003	298	299	597	1,281	1,878	246	1,294	3,418
2004	326	286	612	1,681	2,293	0	1,571	3,864
April 1								
1990	199	393	592	1,017	1,609	0	1,470	3,079
1991	226	430	656	1,255	1,911	0	1,577	3,488
1992	261	487	748	1,415	2,163	0	1,461	3,624
1993	231	424	655	1,388	2,043	0	1,861	3,904
1994	290	448	738	1,482	2,220	0	1,799	4,019
1995	251	488	739	1,404	2,143	0	1,786	3,929
1996	239	342	581	1,296	1,877	0	1,408	3,285
1997	216	456	672	1,481	2,153	0	1,748	3,901
1998	232	280	512	1,634	2,146	0	1,772	3,918
1999	313	284	597	1,948	2,545	0	1,674	4,219
2000	265	292	557	2,012	2,569	0	1,984	4,553
2001	250	271	521	2,065	2,586	767	1,821	5,175
2002	354	312	666	2,148	2,814	416	1,879	5,109
2003	356	170	525	1,763	2,288	107	1,616	4,012
July 1								
1990	226	363	589	600	1,189	0	924	2,113
1991	198	338	536	797	1,333	0	1,098	2,431
1992	235	565	800	922	1,722	0	1,037	2,759
1993	206	524	730	922	1,652	0	1,362	3,014
1994	262	444	707	875	1,582	9	1,075	2,666
1995	279	297	576	631	1,207	0	1,368	2,575
1996	268	305	573	735	1,308	0	977	2,285
1997	271	384	654	747	1,401	0	1,333	2,734
1998	265	299	564	1,016	1,580	0	1,301	2,881
1999	330	397	727	1,183	1,910	0	1,273	3,183
2000	311	327	638	1,218	1,855	130	1,513	3,498
2001	254	201	455	1,217	1,672	764	1,269	3,706
2002	356	333	689	1,197	1,886	304	1,228	3,418
2003	367	261	628	1,103	1,731	77	1,208	3,017
October 1								
1990	215	332	547	205	752	0	396	1,148
1991	212	380	592	367	944	0	437	1,381
1992	239	378	617	368	985	0	465	1,450
1993	279	331	610	380	990	0	714	1,704
1994	263	288	551	346	897	6	434	1,337
1995	224	281	505	215	720	0	522	1,241
1996	247	424	672	289	960	0	430	1,390
1997	274	345	619	277	896	0	590	1,487
1998	270	360	630	363	993	0	686	1,679
1999	245	372	617	447	1,064	0	575	1,639
2000	235	284	519	577	1,096	283	837	2,216
2001	237	198	435	541	975	753	452	2,180
2002	334	213	547	115	662	262	358	1,281
2003	376	455	831	155	986	0	265	1,251

NA=Not available. Note: Stock data include Hawaii beginning in 1992 and Puerto Rico beginning in October 1993. 1/ Beginning stocks, approximately first day of month shown. Latest quarter is preliminary. 2/ May not add due to rounding.

Sources: "Sugar Market Statistics," National Agricultural Statistics Service, USDA; Hawaiian Sugar Planters' Association, and "Sweetener Market Data," FSA, USDA.

Table 23--U.S. sugar imports under tariff-rate quota (TRQ), by country, fiscal years

Country 1/	10/95-9/96			10/96-9/97			10/97-9/98		
	TRQ allocation	Early 1995/96 entries 2/	Actual imports 3/	TRQ allocation 4/	Actual imports	Estimated balance	TRQ allocation 4/	Actual imports	Estimated balance
Metric tons, raw value									
Raw cane sugar									
Argentina	95,867	3,062	95,867	87,236	87,226	-10	65,563	65,517	-46
Australia	185,044	0	185,044	168,386	168,756	370	126,552	127,062	510
Barbados	12,311	0	0	11,359	0	-11,359	7,830	0	-7,830
Belize	24,523	0	24,524	22,316	22,420	104	16,772	16,796	24
Bolivia	17,835	0	17,660	16,230	16,339	109	12,198	11,413	-785
Brazil	323,271	0	323,268	294,169	294,207	38	221,084	220,358	-726
Colombia	53,506	0	53,126	48,690	53,177	4,487	36,593	33,751	-2,842
Congo	7,258	0	5,643	7,258	7,312	54	7,258	7,296	38
Costa Rica	33,411	0	33,441	30,431	30,519	88	22,871	22,835	-36
Cote D'Ivoire	7,258	80	80	7,258	7,289	31	7,258	31	-7,227
Dominican Republic	350,940	0	329,516	357,060	355,454	-1,606	268,350	267,130	-1,220
Ecuador	24,523	21	24,523	22,316	22,353	37	16,772	16,772	0
El Salvador	57,966	342	57,966	52,748	52,748	0	39,643	39,925	282
Fiji	20,065	8,519	20,065	18,259	18,355	96	13,722	10,795	-2,927
Gabon	7,258	0	0	7,258	0	-7,258	7,258	0	-7,258
Guatemala	107,014	34	107,014	97,380	97,884	504	73,186	72,907	-279
Guyana	26,754	4,422	26,754	24,345	24,558	213	18,297	18,329	32
Haiti	7,258	0	0	7,258	0	-7,258	7,258	0	-7,258
Honduras	22,294	0	20,173	20,288	20,339	51	15,247	15,317	70
India	15,951	0	14,311	16,230	16,076	-154	12,198	12,554	356
Jamaica	24,523	648	24,523	22,316	22,068	-248	16,772	16,616	-156
Madagascar	7,258	1	7,258	7,258	7,307	49	7,258	7,312	54
Malawi	22,294	0	17,970	20,288	10,847	-9,441	15,247	11,968	-3,279
Mauritius	26,754	0	23,695	24,345	24,488	143	18,297	18,526	229
Mexico 6/	7,258	0	6,973	25,000	23,892	-1,108	25,000	25,000	0
Mozambique	28,983	0	25,686	26,374	26,689	315	19,821	20,083	262
Nicaragua	46,819	0	45,901	42,604	42,417	-187	32,019	32,137	118
Panama	57,825	0	48,158	58,834	55,049	-3,785	44,217	44,138	-79
Papua New Guinea	7,258	0	0	7,258	7,362	104	7,258	104	-7,154
Paraguay	7,258	0	7,258	7,258	5,934	-1,324	7,258	5,023	-2,235
Peru	91,407	6,738	91,407	83,179	83,310	131	62,513	62,578	65
Philippines	237,422	0	237,110	273,881	254,431	-19,450	205,837	202,090	-3,747
South Africa	51,278	19,346	51,278	46,661	46,385	-276	35,069	35,173	104
St. Kitts and Nevis	7,258	0	4,096	7,258	7,219	-39	7,258	7,237	-21
Swaziland	35,673	11,653	35,673	32,460	32,720	260	24,395	24,480	85
Taiwan	26,754	70	26,754	24,345	24,374	29	18,297	18,300	3
Thailand	31,213	0	31,212	28,403	28,481	78	21,346	21,313	-33
Trinidad-Tobago	15,606	0	15,606	14,201	14,164	-37	10,673	10,946	273
Uruguay	7,258	7,493	7,023	7,258	6,997	-261	7,258	7,404	146
Zimbabwe	26,754	12,636	26,754	24,345	24,420	75	18,297	18,244	-53
Rounding									
Subtotal raw cane sugar	2,167,160	75,065	2,073,310	2,100,001	2,043,566	-56,435	1,600,000	1,547,460	-52,540
TRQ shortfall	---	---	93,850	---	56,435	---	---	52,540	---
Refined sugars									
Mexico (NAFTA) 6/	---	---	---	25,000	23,892	---	25,000	25,000	---
Mexico (Sept. 1997, 1998, 1999, 2000, 2001, and 2002 allocation)	---	---	---	---	---	---	2,954	2,954	---
Canada (Sept. 1997, 1998, 1999, 2000, 2001, and 2002 allocation)	---	---	---	---	---	---	10,300	10,300	---
Specialty sugar 7/	1,656	---	129	1,656	---	---	4,656	4,656	---
Other refined sugars 7/	20,344	---	20,344	20,344	20,344	---	7,090	7,090	---
Subtotal refined sugars	22,000	---	20,473	47,000	45,892	---	50,000	50,000	---
Potential TRQ not yet allocated	---	---	---	---	---	---	---	---	---
Grand total 8/	2,189,160	75,065	2,093,783	2,122,001	2,065,566	-56,435	1,625,000	1,572,460	-52,540
Grand total (short tons)	2,413,138	82,745	2,308,003	2,339,108	2,276,899	-59,036	1,791,257	1,733,342	-57,915

continued--

Table 23--U.S. sugar imports under tariff-rate quota (TRQ), by country, fiscal years--Continued

Country 1/	10/98-9/99			10/99-9/2000			CQE surrendered 5/
	TRQ allocation 4/	Actual imports	Estimated balance	TRQ allocation	Entered thru 9/30/2000	Estimated balance	
Metric tons, raw value							
Raw cane sugar							
Argentina	46,581	45,178	-1,403	45,283	43,932	-1,351	
Australia	89,912	89,402	-510	87,408	87,408	0	
Barbados	7,583	0	-7,583	7,372	0	-7,372	
Belize	11,916	11,916	0	11,584	11,584	0	
Bolivia	8,666	8,555	-111	8,425	6,346	-129	1,950
Brazil	157,076	157,076	0	152,700	122,667	-30,033	
Colombia	25,999	23,685	-2,314	25,274	23,609	-1,665	
Congo	7,258	6,891	-367	7,258	0	-4,272	2,986
Costa Rica	16,249	16,249	0	15,797	14,802	-995	
Cote D'Ivoire	7,258	0	-7,258	7,258	7,245	-13	
Dominican Republic	190,657	190,621	-36	185,346	185,346	0	
Ecuador	11,916	11,916	0	11,584	11,584	0	
El Salvador	28,165	27,961	-204	27,381	27,381	0	
Fiji	9,750	9,750	0	9,478	9,478	0	
Gabon	7,258	0	-7,258	7,258	0	-7,258	
Guatemala	51,997	51,997	0	50,549	50,549	0	
Guyana	12,999	12,999	0	12,637	12,637	0	
Haiti	7,258	0	-7,258	7,258	0	-7,258	
Honduras	10,833	10,833	0	10,531	10,531	0	
India	8,666	8,503	-163	8,425	192	0	8,233
Jamaica	11,916	11,742	-174	11,584	0	0	11,584
Madagascar	7,258	7,059	-199	7,258	7,258	0	
Malawi	10,833	10,833	0	10,531	234	0	10,297
Mauritius	12,999	5,941	-7,058	12,637	5,791	-6,846	
Mexico 6/	25,000	23,715	-1,285	25,000	25,000	0	
Mozambique	14,083	14,083	0	13,690	13,690	0	
Nicaragua	22,749	22,584	-165	22,115	22,115	0	
Panama	31,415	31,412	-3	30,540	30,540	0	
Papua New Guinea	7,258	7,258	0	7,258	7,258	0	
Paraguay	7,258	6,976	-282	7,258	7,258	0	
Peru	44,415	44,350	-65	43,177	21,709	0	21,468
Philippines	146,243	145,448	-795	142,169	94,083	-1,790	46,297
South Africa	24,915	24,915	0	24,221	23,976	-245	
St. Kitts and Nevis	7,258	0	-7,258	7,258	0	0	7,258
Swaziland	17,332	17,332	0	16,850	16,850	0	
Taiwan	12,999	12,999	0	12,637	12,637	0	
Thailand	15,166	15,109	-57	14,743	14,743	0	
Trinidad-Tobago	7,583	7,249	-334	7,372	7,372	0	
Uruguay	7,258	7,258	0	7,258	7,258	0	
Zimbabwe	12,999	12,999	0	12,637	12,637	0	
Rounding	3	3	3	1		0	
Subtotal raw cane sugar	1,164,937	1,112,797	-52,137	1,135,000	955,700	-69,227	110,073
TRQ shortfall	---	52,143	---	---	69,227	---	
Refined sugars							
Mexico (NAFTA) 6/	25,000	23,715	-1,285	25,000	25,000	0	
Mexico (Sept. 1997, 1998,1999, and 2000 allocation)	2,954	2,954	0	2,954	2,954	0	
Canada (Sept. 1997, 1998,1999, and 2000 allocation)	10,300	10,300	0	10,300	9,583	-717	
Specialty sugar 7/	4,656	4,656	0	14,656	14,656	0	
Other refined sugars 7/	7,090	7,090	0	7,090	7,090	0	
Subtotal refined sugars	50,000	48,715	-1,285	60,000	59,283	-717	
Potential TRQ not yet allocated	---			---			
Grand total 8/	1,189,937	1,137,797	-52,143	1,170,000	989,983	-69,944	110,073
Grand total (short tons)	1,311,682	1,254,208	-57,478	1,289,705	1,091,270	-77,100	121,335

continued--

Table 23--U.S. sugar imports under tariff-rate quota (TRQ), by country, fiscal years--Continued

Country 1/	10/2000-9/01				
	TRQ allocation	Entered thru 9/30/2001	Estimated balance	CQE surrendered 5/	Rollover quantity 6/
Metric tons, raw value					
Argentina	45,283	44,947	336		
Australia	87,408	87,822	0		414
Barbados	7,372	0	7,372		
Belize	11,584	11,616	0		32
Bolivia	8,425	8,331	94		
Brazil	152,700	152,372	328		
Colombia	25,274	25,237	37		
Congo	7,258	7,369	0		111
Costa Rica	15,797	15,922	0		125
Cote D'Ivoire	7,258	7,271	0		13
Dominican Republic	185,346	181,708	3,638		
Ecuador	11,584	11,584	0		
El Salvador	27,381	28,455	0		1,074
Fiji	9,478	9,573	0		95
Gabon	7,258	0	7,258		
Guatemala	50,549	55,924	0		5,375
Guyana	12,637	12,755	0		118
Haiti	7,258	0	7,258		
Honduras	10,531	10,675	0		144
India	8,425	0	0	8,425	
Jamaica	11,584	0	0	11,584	
Madagascar	7,258	6,435	823		
Malawi	10,531	10,321	210		
Mauritius	12,637	12,667	0		30
Mexico 6/	7,258	7,258	0		
Mozambique	13,690	14,146	0		456
Nicaragua	22,115	22,103	12		
Panama	30,540	30,588	0		48
Papua New Guinea	7,258	7,447	0		189
Paraguay	7,258	7,319	0		61
Peru	43,177	43,309	0		132
Philippines	142,169	92,470	0	49,709	10
South Africa	24,221	24,990	0		769
St. Kitts and Nevis	7,258	0	0	7,258	
Swaziland	16,850	17,365	0		515
Taiwan	12,637	12,215	422		
Thailand	14,743	14,812	0		69
Trinidad-Tobago	7,372	7,402	0		30
Uruguay	7,258	7,323	0		65
Zimbabwe	12,637	12,777	0		140
Rounding	-62				
Subtotal raw cane sugar	1,117,195	1,022,508	27,788	76,976	10,015
TRQ shortfall 7/		27,788			
Refined sugars					
Mexico (NAFTA) 6/	105,788	98,653	-7,135		
Mexico (Sept. 1997, 1998, 1999, 2000, 2001, and 2002 allocation)	2,954	2,954	0		
Canada (Sept. 1997, 1998, 1999, 2000, 2001, and 2002 allocation)	10,300	9,522	-778		
Specialty sugar 8/	17,656	17,656	0		
Other refined sugars 8/	7,090	7,090	0		
Subtotal refined sugars	143,788	135,875	-7,913		
Potential TRQ not yet allocated	100,000		100,000		
Grand total 9/	1,260,983	1,235,359	19,875	76,976	10,015
Grand total (short tons)	1,389,997	1,361,751	21,908	84,852	11,040

continued--

Table 23--U.S. sugar imports under tariff-rate quota (TRQ), by country, fiscal years--Continued

Country 1/	10/00-9/01				10/01-9/02		
	TRQ allocation	Entered thru 9/30/2001	Estimated balance	CQE surrendered 5/	TRQ allocation	Entered thru 4/28/2003	Estimated balance
	Metric tons, raw value						
Argentina	45,281	45,273	8		45,281	22,633	22,648
Australia	87,402	87,402	0		87,402	35,196	52,206
Barbados	7,371	0	7,371		7,371	0	7,371
Belize	11,583	11,583	0		11,583	11,583	0
Bolivia	8,424	8,424	0		8,424	8,423	1
Brazil	152,691	95,393	-241	57,539	152,691	76,181	76,510
Colombia	25,273	24,084	1,189		25,273	918	24,355
Congo	7,258	7,258	0		7,258	294	6,964
Costa Rica	15,796	15,796	0		15,796	13,747	2,049
Cote D'Ivoire	7,258	13	0	7,245	7,258	0	7,258
Dominican Republic	185,335	185,335	0		185,335	45,851	139,484
Ecuador	11,583	0	0	11,583	11,583	11,583	0
El Salvador	27,379	27,379	0		27,379	27,379	0
Fiji	9,477	9,477	0		9,477	9,477	0
Gabon	7,258	0	7,258		7,258	0	7,258
Guatemala	50,546	50,122	424		50,546	19,321	31,225
Guyana	12,636	12,636	0		12,636	12,636	0
Haiti	7,258	0	7,258		7,258	0	
Honduras	10,530	10,530	0		10,530	10,530	0
India	8,424	8,424	0		8,424	195	8,229
Jamaica	11,583	0	0	11,583	11,583	0	11,583
Madagascar	7,258	5,885	1,373		7,258	0	7,258
Malawi	10,530	10,530	0		10,530	10,530	0
Mauritius	12,636	11,631	1,005		12,636	821	11,815
Mexico 6/	7,258	7,258	0		7,258	0	7,258
Mozambique	13,690	13,555	135		13,690	13,690	0
Nicaragua	22,114	22,114	0		22,114	22,114	0
Panama	30,538	30,493	45		30,538	30,538	0
Papua New Guinea	7,258	7,258	0		7,258	7,205	53
Paraguay	7,258	7,187	71		7,258	123	7,135
Peru	43,175	43,175	0		43,175	43,175	0
Philippines	142,160	73,077	4,963	64,120	142,160	54,750	87,410
South Africa	24,220	24,219	1		24,220	24,220	0
St. Kitts and Nevis	7,258	0	0	7,258	7,258	0	7,258
Swaziland	16,849	16,849	0		16,849	16,849	0
Taiwan	12,636	12,636	0		12,636	0	12,636
Thailand	14,743	69	430	14,244	14,743	0	14,743
Trinidad-Tobago	7,371	7,371	0		7,371	0	7,371
Uruguay	7,258	7,258	0		7,258	7,258	0
Zimbabwe	12,636	12,636	0		12,636	12,636	0
Rounding	3	3	0		3		3
Subtotal raw cane sugar	1,117,195	912,333	31,290	173,572	1,117,195	549,856	567,339
TRQ shortfall 7/		31,290					
Refined sugars							
Mexico (NAFTA) 6/	137,788	108,235	29,553		0	0	0
Mexico (Sept. 1997, 1998, 1999, 2000, 2001 and 2002 allocation)	2,954	2,954	0		2,954	309	2,645
Canada (Sept. 1997, 1998, 1999, 2000, 2001 and 2002 allocation)	10,300	9,439	861		10,300	8,495	1,805
Specialty sugar 8/	13,656	13,656	0		16,656	16,656	0
Other refined sugars 8/	7,090	7,090	0		7,090	7,090	0
Subtotal refined sugars	171,788	141,374	30,414		37,000	32,550	4,450
Potential TRQ not yet allocated							
Grand total 9/	1,288,983	1,214,421	61,704	160,714	1,154,195	582,406	571,789
Grand total (short tons)	1,420,862	1,338,671	68,017	177,157	1,272,283	641,993	630,290

continued--

Table 23--U.S. sugar imports under tariff-rate quota (TRQ), by country, fiscal years

Country 1/	10/02-9/03		Estimated balance
	TRQ allocation	Entered thru 9/30/2003	
	Metric tons, raw value		
Argentina	45,281	45,281	0
Australia	87,402	85,160	2,242
Barbados	7,371	0	7,371
Belize	11,583	11,553	30
Bolivia	8,424	8,424	0
Brazil	152,691	152,564	127
Colombia	25,273	25,268	5
Congo	7,258	0	7,258
Costa Rica	15,796	15,504	292
Cote D'Ivoire	7,258	0	7,258
Dominican Republic	185,335	185,162	173
Ecuador	11,583	11,583	0
El Salvador	27,379	26,851	528
Fiji	9,477	9,450	27
Gabon	7,258	0	7,258
Guatemala	50,546	49,445	1,101
Guyana	12,636	12,636	0
Haiti	7,258	0	7,258
Honduras	10,530	10,530	0
India	8,424	8,411	13
Jamaica	11,583	0	11,583
Madagascar	7,258	0	7,258
Malawi	10,530	8,981	1,549
Mauritius	12,636	2,296	10,340
Mexico 6/	7,258	7,258	0
Mozambique	13,690	13,690	0
Nicaragua	22,114	22,114	0
Panama	30,538	30,538	0
Papua New Guinea	7,258	7,015	243
Paraguay	7,258	7,225	33
Peru	43,175	42,851	324
Philippines	142,160	141,920	240
South Africa	24,220	24,220	0
St. Kitts and Nevis	7,258	0	7,258
Swaziland	16,849	16,755	94
Taiwan	12,636	12,636	0
Thailand	14,743	14,743	0
Trinidad-Tobago	7,371	7,282	89
Uruguay	7,258	7,258	0
Zimbabwe	12,636	12,535	101
Rounding	3		3
Subtotal raw cane sugar	1,117,195	1,037,139	80,056
TRQ shortfall 7/			
Refined sugars			
Mexico (NAFTA) 6/	0	0	0
Mexico (Sept. 1997, 1998, 1999, 2000, 2001 and 2002 allocation)	2,954	2,954	0
Canada (Sept. 1997, 1998, 1999, 2000, 2001 and 2002 allocation)	10,300	8,995	1,305
Specialty sugar 8/	16,656	16,656	0
Other refined sugars 8/	7,090	7,090	0
Subtotal refined sugars	37,000	35,695	1,305
Potential TRQ not yet allocated			
Grand total 9/	1,154,195	1,072,834	81,361
Grand total (short tons)	1,272,283	1,182,598	89,685

---=Not applicable. Note: Imports are reported on an actual weight basis, adjusted upward by Customs by a factor of 1.035. When final polarization results are received or when adjustments are made to raw value on final vessels, cumulative import data are adjusted accordingly. To convert from metric tons to short tons, multiply by 1.10231225. Numbers may not add due to rounding. 1/ A country's excess of cumulative and adjustments over its TRQ allocation are carried over and applied against the country's allocation for the next TRQ period. 2/ Entered during August and September 1995, but counted against the 10/95-9/96 TRQ. 3/ October 1, 1995, through September 30, 1996, plus early entries. 4/ As adjusted in March and May 1997. 5/ Amount that exceed TRQ allocations and is deducted from the country's next year allocation. 6/ Certificate of Quota Eligibility submitted to USDA in lieu of actual imports. Quota Eligibility submitted to USDA in lieu of actual imports. 7/ Mexico's NAFTA allocation may be shipped either raw or refined. 8/ Forecast. 9/ Other refined sugars are on first-come first-served basis beginning fiscal 1996. Beginning in fiscal 1997, the specialty sugars are also on first-come first-served basis. 10/ In fiscal years 1997 thru 2000, total is 25,000 metric tons less than the sum of individual components so as to not double-count Mexico.

Source: Foreign Agricultural Service, USDA.

Table 24--U.S. sugar: Supply and use, by fiscal year 1/

Items	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03 estimate May 2003	2003/04 projection June 2004	2004/05 projection June 2004
1,000 short tons, raw value								
Beginning stocks 2/	1,488	1,679	1,639	2,216	2,180	1,528	1,661	2,200
Total production 3/,4/	8,020	8,375	9,032	8,769	7,900	8,379	8,940	8,590
Beet sugar	4,389	4,423	4,956	4,680	3,915	4,415	4,863	4,520
Cane sugar	3,631	3,952	4,076	4,089	3,985	3,964	4,077	4,070
Florida	1,924	2,132	1,966	2,057	1,980	2,129	2,151	2,040
Louisiana	1,262	1,327	1,683	1,585	1,580	1,367	1,458	1,575
Texas	80	106	105	206	174	191	188	185
Hawaii	350	384	318	241	251	276	280	270
Puerto Rico	16	3	4	0	0	0	0	0
Total imports	2,163	1,824	1,636	1,591	1,535	1,730	1,659	1,591
Tariff-rate quota imports 5/	1,729	1,256	1,124	1,277	1,158	1,210	1,224	1,206
Other Program Imports	349	386	388	238	296	488	400	350
Non-program imports	85	182	124	76	81	32	35	35
Statistical adjustments 3/	0	0	0	0	0	0	0	0
Total supply	11,671	11,878	12,317	12,576	11,615	11,637	12,260	12,381
Total exports 3/	179	230	124	141	137	142	200	150
Quota-exempt for reexport	179	230	124	141	137	142	200	150
Other exports	0	0	0	0	0	0	0	0
CCC disposal, for export	0	0	0	0	0	0	0	0
Statistical difference 6/	0	0	0	0	0	0	0	0
Miscellaneous	-2	-58	-144	125	-24	162	0	0
CCC disposal, for domestic non-food use	0	0	0	10	0	0	0	0
Refining loss adjustment	0	0	0	0	0	0	0	0
Statistical adjustment 7/	-2	-58	-144	115	-24	162	0	0
Total deliveries	9,815	10,066	10,111	10,130	9,974	9,673	9,860	9,905
Transfer to sugar-cont. products for exports under reexport program	123	169	86	98	156	183	160	160
Transfer to polyhydric alcohol, feed	20	25	32	34	33	24	30	30
Deliveries for domestic food and beverage use	9,672	9,872	9,993	9,998	9,785	9,466	9,670	9,715
Total use	9,992	10,238	10,090	10,396	10,087	9,976	10,060	10,055
Ending stocks 3/	1,679	1,639	2,216	2,180	1,528	1,661	2,200	2,326
Privately owned	1,679	1,639	1,919	1,395	1,316			
CCC	0	0	297	784	212			
Stocks-to-use ratio	16.8	16.0	22.0	21.4	15.1	16.6	21.9	23.1

NOTE: Numbers may not add due to rounding.

1/ Fiscal year beginning October 1. 2/ Stocks in hands of primary distributors and CCC. 3/ Historical data are from FSA (formerly ASCS), *Sweetener Market Data*, and NASS, *Sugar Market Statistics* prior to 1992. 4/ Projections for 2002/03 are based on analysis by Interagency Commodity Estimates Committee for sugar. 5/ Actual arrivals under the tariff-rate quota (TRQ) with late entries, early entries, and (TRQ) overfills assigned to the fiscal year in which they actually arrived. The 2002/03 available TRQ assumes shortfall of 30,000 tons. 6/ Receipts compiled by NASS and FSA Customs data. 7/ Calculated as a residual. Largely consists of invisible stocks change.

Sugar consumption includes all sugar deliveries. Refined basis is raw value divided by 1.07.

Table 25--Monthly estimates of fiscal 2003 U.S. sugar supply and use

	May 2002	June 2002	July 2002	Aug. 2002	Sept. 2002	Oct. 2002	Nov. 2002	Dec. 2002	Jan. 2003	Feb. 2003	Mar. 2003	April 2003	May 2003	June 2003
1,000 short tons, raw value														
Beginning stocks	1,617	1,630	1,620	1,718	1,672	1,658	1,295	1,288	1,276	1,276	1,272	1,272	1,281	1,281
Total production	8,750	8,750	8,640	8,365	8,445	8,445	8,305	8,255	8,155	8,260	8,185	8,185	8,400	8,404
Beet sugar	4,500	4,500	4,450	4,275	4,375	4,375	4,315	4,315	4,215	4,300	4,215	4,215	4,450	4,450
Cane sugar	4,250	4,250	4,190	4,090	4,070	4,070	3,990	3,940	3,940	3,960	3,970	3,970	3,950	3,954
Florida	2,100	2,100	2,040	2,040	2,020	2,020	2,020	2,070	2,150	2,150	2,150	2,150	2,125	2,125
Louisiana	1,700	1,700	1,700	1,600	1,600	1,600	1,520	1,420	1,340	1,360	1,360	1,360	1,360	1,360
Texas	175	175	175	175	175	175	175	175	175	175	180	180	185	189
Hawaii	270	270	270	275	275	275	275	275	275	275	280	280	280	280
Puerto Rico	5	5	5	0	0	0	0	0	0	0	0	0	0	0
Total imports	NA	NA	NA	1,542	1,542	1,565	1,565	1,565	1,605	1,605	1,605	1,605	1,665	1,623
Tariff-rate quota imports	NA	NA	NA	1,222	1,222	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,265	1,258
Other program imports	260	260	260	260	260	260	260	260	300	300	300	300	340	340
Non-program imports	60	60	60	60	60	60	60	60	60	60	60	60	60	25
Total supply	NA	NA	NA	11,625	11,659	11,668	11,165	11,108	11,036	11,141	11,062	11,062	11,346	11,308
Exports	125	125	125	125	125	125	125	125	125	125	125	125	155	155
Adjustments	0	0	0	0	0	0	0	0	-200	-200	-200	-200	-200	-200
Total deliveries	10,085	10,085	10,085	9,980	9,980	9,980	9,780	9,780	9,800	9,800	9,800	9,800	9,790	9,790
Domestic consumption	9,900	9,900	9,900	9,800	9,800	9,800	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600
Other use	185	185	185	180	180	180	180	180	200	200	200	200	190	190
Total use	10,210	10,210	10,210	10,105	10,105	10,105	9,905	9,905	9,725	9,725	9,725	9,725	9,745	9,745
Ending stocks	NA	NA	NA	1,520	1,554	1,563	1,260	1,203	1,311	1,416	1,337	1,337	1,601	1,563
Stocks/use ratio	NA	NA	NA	15.04	15.38	15.47	12.72	12.15	13.48	14.56	13.75	13.75	16.43	16.04

NA = Not available.

Source: WASDE, USDA.

Table 26--Monthly estimates of fiscal 2004 U.S. sugar supply and use

	May 2003	June 2003	July 2003	Aug. 2003	Sept. 2003	Oct. 2003	Nov. 2003	Dec. 2003	Jan. 2004	Feb. 2004	Mar. 2004	April 2004	May 2004	June 2004
	1,000 short tons, raw value													
Beginning stocks	1,601	1,563	1,604	1,603	1,691	1,756	1,305	1,305	1,304	1,259	1,258	1,251	1,661	1,661
Total production	8,595	8,595	8,495	8,885	8,812	8,848	8,895	8,969	8,948	8,930	8,947	8,994	8,963	8,940
Beet sugar	4,450	4,450	4,450	4,659	4,651	4,667	4,720	4,798	4,852	4,824	4,824	4,862	4,875	4,863
Cane sugar	4,145	4,145	4,045	4,226	4,161	4,181	4,175	4,171	4,096	4,106	4,122	4,132	4,088	4,077
Florida	2,100	2,100	2,000	2,135	2,135	2,125	2,125	2,137	2,166	2,166	2,162	2,176	2,151	2,151
Louisiana	1,600	1,600	1,600	1,628	1,558	1,585	1,578	1,566	1,472	1,472	1,472	1,477	1,458	1,458
Texas	165	165	165	182	182	182	182	182	182	182	201	193	193	188
Hawaii	280	280	280	281	286	288	290	286	276	286	286	286	286	280
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total imports	1,606	1,581	1,581	1,581	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,659	1,659	1,659
Tariff-rate quota imports	1,221	1,221	1,221	1,221	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
Other program imports	325	325	325	325	325	325	325	325	325	325	325	400	400	400
Non-program imports	60	35	35	35	35	35	35	35	35	35	35	35	35	35
Total supply	11,802	11,739	11,680	12,069	12,087	12,188	11,784	11,858	11,836	11,773	11,789	11,905	12,284	12,260
Exports	150	150	150	150	150	160	160	160	160	160	160	200	200	200
Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total deliveries	10,050	10,050	10,050	10,060	9,925	9,925	9,675	9,675	9,675	9,675	9,675	9,715	9,860	9,860
Domestic consumption	9,850	9,850	9,850	9,850	9,700	9,700	9,450	9,450	9,450	9,465	9,465	9,500	9,670	9,670
Other use	200	200	200	210	225	225	225	225	225	210	210	215	190	190
Total use	10,200	10,200	10,200	10,210	10,075	10,085	9,835	9,835	9,835	9,835	9,835	9,915	10,060	10,060
Ending stocks	1,602	1,539	1,480	1,859	2,012	2,103	1,949	2,023	2,001	1,938	1,954	1,990	2,224	2,200
Stocks/use ratio	15.71	15.09	14.51	18.20	19.97	20.85	19.82	20.57	20.35	19.71	19.86	20.07	22.11	21.87

NA = Not available.

Source: WASDE, USDA.

Table 27--U.S. use of field corn, by crop year 1/

Description	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/2000	2000/01	2001/02	2002/03	2003/04 2/
Million bushels													
HFCS	392	415	441	459	473	492	513	530	540	530	541	532	535
Glucose syrup and dextrose	210	214	219	224	227	233	229	219	222	218	217	219	225
Total corn sweetener	602	629	660	683	700	725	742	749	761	748	758	751	760
Corn starch	225	218	225	230	226	238	246	240	251	247	246	256	260
Wet milling excluding alcohol	827	847	890	913	926	963	988	989	1,013	995	1,003	1,007	1,020
Alcohol													
Fuel	398	426	458	533	396	429	481	526	566	628	714	956	1,150
Beverage	161	136	110	100	125	130	133	127	130	130	131	131	132
Total	559	562	568	633	521	559	614	653	696	758	845	1,087	1,282
Total	1,386	1,409	1,458	1,546	1,447	1,522	1,602	1,642	1,709	1,753	1,848	2,093	2,302
U.S. corn crop	7,475	9,477	6,336	10,103	7,374	9,233	9,207	9,759	9,431	9,915	9,507	9,008	10,114
Percent													
Corn sweetener share	8.05	6.64	10.42	6.76	9.49	7.85	8.06	7.67	8.07	7.54	7.97	834.00	7.70
Alcohol share	7.48	5.93	8.96	6.27	7.07	6.05	6.67	6.69	7.38	7.64	8.89	12.06	12.68
Total	18.54	14.87	23.01	15.30	19.62	16.48	17.40	16.83	18.12	17.68	19.44	23.24	22.76

1/ September/August crop year. 2/ Forecast.

Source: Economic Research Service, USDA.

Table 28--U.S. high fructose corn syrup (HFCS) deliveries, quarterly, by fiscal and calendar year 1/

Quarter and year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 2/
Quarter												
I	1,616	1,648	1,762	1,833	1,920	1,975	2,072	2,129	2,165	2,114	2,122	2,147
II	1,939	2,083	2,126	2,241	2,311	2,439	2,482	2,482	2,370	2,527	2,469	2,535
III	1,955	2,065	2,097	2,141	2,286	2,399	2,440	2,400	2,433	2,491	2,408	2,489
IV	1,663	1,685	1,748	1,841	2,000	2,066	2,188	2,103	2,181	2,161	2,157	2,198
Year												
Fiscal	7,037	7,460	7,671	7,964	8,358	8,812	9,061	9,200	9,072	9,313	9,160	9,328
Calendar	7,173	7,481	7,733	8,057	8,517	8,879	9,183	9,114	9,149	9,293	9,156	9,369

1/ Includes Puerto Rico. 2/ Forecast.

Source: Economic Research Service.

Table 29--U.S. high fructose corn syrup (HFCS) production, quarterly, by fiscal and calendar year 1/

Quarter and year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 2/
Quarter												
I	1,592	1,634	1,760	1,830	1,946	2,012	2,122	2,169	2,193	2,105	2,119	2,142
II	1,915	2,073	2,136	2,267	2,352	2,540	2,547	2,553	2,400	2,541	2,484	2,545
III	1,929	2,067	2,111	2,163	2,348	2,476	2,503	2,438	2,442	2,498	2,412	2,484
IV	1,661	1,693	1,752	1,897	2,031	2,123	2,240	2,155	2,201	2,158	2,156	2,194
Year												
Fiscal	6,942	7,434	7,701	8,012	8,543	9,059	9,295	9,399	9,190	9,345	9,173	9,327
Calendar	7,097	7,467	7,759	8,157	8,677	9,150	9,412	9,315	9,236	9,302	9,171	9,365

1/ Includes Puerto Rico. 2/ Forecast.

Source: Economic Research Service.

Table 30--U.S. high fructose corn syrup (HFCS) supply and use, calendar year 1/

Calendar year	Supply					Utilization			
	Domestic production		Total	Imports	Total supply	Domestic disappearance			
	HFCS-42	HFCS-55				Exports	HFCS-42	HFCS-55	Total
1,000 short tons, dry weight									
1992	2,793	3,841	6,634	193	6,827	100	2,822	3,905	6,727
1993	2,924	4,173	7,097	189	7,286	113	2,918	4,255	7,173
1994	2,994	4,474	7,467	137	7,605	123	3,005	4,476	7,481
1995	3,055	4,705	7,759	79	7,838	104	3,075	4,658	7,733
1996	3,076	5,081	8,157	123	8,280	224	3,095	4,962	8,057
1997	3,187	5,490	8,677	116	8,793	276	3,225	5,291	8,517
1998	3,296	5,854	9,150	117	9,267	388	3,318	5,561	8,879
1999	3,523	5,889	9,412	121	9,533	350	3,546	5,637	9,183
2000	3,519	5,796	9,315	121	9,436	321	3,550	5,565	9,114
2001	3,496	5,740	9,236	148	9,384	235	3,556	5,593	9,149
2002	3,640	5,662	9,302	136	9,438	145	3,695	5,599	9,294
2003	3,648	5,523	9,171	144	9,315	159	3,708	5,449	9,157
2004 2/	3,733	5,632	9,365	166	9,531	161	3,829	5,541	9,370

1/ Includes Puerto Rico. 2/ Forecast.

Source: Economic Research Service, USDA.

Table 31--Net cost of corn starch to U.S. wet-millers, Midwest markets --Continued

Period	Yellow dent corn 1/ Dollars per bu	Corn byproducts			Byproducts credits			Total byproducts Dollars per bu	Net cost		
		Corn oil Cents per lb	Corn gluten feed Dollars per short ton	Corn gluten meal Dollars per short ton	Corn oil ---Cents per bushel---	Corn gluten feed ---Cents per bushel---	Corn gluten meal ---Cents per bushel---		Corn Dollars per bu	Corn starch --Cents per lb--	Corn sweetener --Cents per lb--
1991	2.40	28.36	101.57	256.07	43.96	68.56	33.93	1.46	0.94	2.97	2.81
1992	2.33	23.89	102.80	259.72	37.03	69.39	34.41	1.41	0.92	2.93	2.77
1993	2.27	21.52	87.99	296.53	33.35	59.39	39.29	1.32	0.95	3.02	2.85
1994	2.40	27.22	89.59	262.50	42.19	60.47	34.78	1.37	1.03	3.26	3.08
1995	2.70	26.67	88.34	244.02	41.33	59.63	32.33	1.33	1.37	4.34	4.10
1996	3.82	24.52	116.25	332.40	38.00	78.47	44.04	1.61	2.22	7.04	6.65
1997	2.67	24.87	83.99	345.22	38.55	56.69	45.74	1.41	1.26	4.00	3.78
1998	2.23	29.90	64.86	260.54	46.34	43.78	34.52	1.25	0.98	3.12	2.95
1999	1.92	23.59	58.77	231.88	36.56	39.67	30.72	1.07	0.85	2.68	2.54
2000	1.88	14.66	51.71	237.63	22.72	34.90	31.49	0.89	0.98	3.13	2.95
2001	1.90	14.56	61.31	251.63	22.57	41.39	33.34	0.97	0.93	2.95	2.79
2002	2.17	20.78	60.33	243.72	32.21	40.72	32.29	1.05	1.12	3.55	3.36
2003	2.29	28.65	72.15	251.36	44.40	48.70	33.31	1.26	1.02	3.25	3.07
2000											
Jan.	1.95	20.54	55.50	238.75	31.84	37.46	31.63	1.01	0.94	2.99	2.82
Feb.	2.03	19.61	51.90	248.50	30.40	35.03	32.93	0.98	1.05	3.32	3.14
Mar.	2.08	19.00	51.50	243.13	29.45	34.76	32.21	0.96	1.12	3.54	3.35
I	2.02	19.72	52.97	243.46	30.56	35.75	32.26	0.99	1.03	3.28	3.10
Apr.	2.09	17.71	51.75	216.25	27.45	34.93	28.65	0.91	1.18	3.74	3.54
May	2.15	16.21	51.10	240.00	25.13	34.49	31.80	0.91	1.24	3.92	3.71
June	1.83	14.16	48.80	223.75	21.95	32.94	29.65	0.85	0.98	3.13	2.95
II	2.02	16.03	50.55	226.67	24.84	34.12	30.03	0.89	1.13	3.60	3.40
July	1.53	13.10	45.25	218.75	20.31	30.54	28.98	0.80	0.73	2.32	2.20
Aug.	1.49	12.53	43.20	211.00	19.42	29.16	27.96	0.77	0.72	2.30	2.17
Sep.	1.58	11.63	46.75	227.50	18.03	31.56	30.14	0.80	0.78	2.48	2.35
III	1.53	12.42	45.07	219.08	19.25	30.42	29.03	0.79	0.75	2.37	2.24
Oct.	1.81	10.52	51.00	247.00	16.31	34.43	32.73	0.83	0.98	3.10	2.93
Nov.	1.96	10.37	57.75	263.75	16.07	38.98	34.95	0.90	1.06	3.37	3.18
Dec.	2.01	10.54	66.00	273.13	16.34	44.55	36.19	0.97	1.04	3.30	3.12
IV	1.93	10.48	58.25	261.29	16.24	39.32	34.62	0.90	1.02	3.25	3.07
2001	1.99	10.25	73.40	305.00	15.89	49.55	40.41	1.06	0.93	2.96	2.79
Jan.	1.95	11.06	65.87	267.50	17.14	44.46	35.44	0.97	0.98	3.11	2.94
Feb.	1.92	11.91	60.63	253.75	18.46	40.93	33.62	0.93	0.99	3.14	2.97
Mar.	1.95	11.07	66.63	275.42	17.16	44.98	36.49	0.99	0.97	3.07	2.90
I	1.87	13.76	54.13	228.75	21.33	36.54	30.31	0.88	0.99	3.14	2.96
Apr.	1.78	14.84	52.10	231.00	23.00	35.17	30.61	0.89	0.89	2.83	2.68
May	1.76	15.94	54.75	237.50	24.71	36.96	31.47	0.93	0.83	2.63	2.49
June	1.80	14.85	53.66	232.42	23.01	36.22	30.80	0.90	0.90	2.87	2.71
II	1.92	17.28	59.30	205.50	26.78	40.03	27.23	0.94	0.98	3.11	2.94
July	2.00	18.73	65.38	267.50	29.03	44.13	35.44	1.09	0.91	2.90	2.74
Aug.	1.94	17.30	66.25	268.13	26.82	44.72	35.53	1.07	0.87	2.76	2.61
Sep.	1.95	17.77	63.64	247.04	27.54	42.96	32.73	1.03	0.92	2.92	2.76
III	1.84	17.18	66.40	267.50	26.63	44.82	35.44	1.07	0.77	2.45	2.31
Oct.	1.90	18.30	66.25	258.10	28.37	44.72	34.20	1.07	0.83	2.63	2.48
Nov.	1.97	22.45	65.00	257.50	34.80	43.88	34.12	1.13	0.84	2.67	2.53
Dec.	1.90	19.31	65.88	261.03	29.93	44.47	34.59	1.09	0.81	2.58	2.44
IV	1.90	19.31	65.88	261.03		29.93	44.47	34.59	1.09		0.81

continued--

Table 31--Net cost of corn starch to U.S. wet-millers, Midwest markets

Table 31--Net cost of corn starch to U.S. wet-millers, Midwest markets											
Period	Yellow dent corn 1/ corn 1/	Corn byproducts			Byproducts credits			Total byproducts	Net cost		
		Corn oil	Corn gluten feed	Corn gluten meal	Corn oil	Corn gluten feed	Corn gluten meal		Corn	Corn starch	Corn sweetener
	Dollars per bu	Cents per lb	Dollars per short ton		---Cents per bushel---			Dollars per bu	Dollars per bu	--Cents per lb--	
2002											
Jan.	1.95	20.54	60.00	236.00	31.84	40.50	31.27	1.04	0.91	2.90	2.74
Feb.	1.92	18.35	56.50	221.90	28.44	38.14	29.40	0.96	0.96	3.05	2.88
Mar.	1.92	18.37	55.00	219.40	28.47	37.13	29.07	0.95	0.97	3.09	2.92
I	1.93	19.09	57.17	225.77	29.58	38.59	29.91	0.98	0.95	3.01	2.85
Apr.	1.89	17.70	53.60	217.00	27.44	36.18	28.75	0.92	0.97	3.07	2.90
May	1.96	17.00	53.60	217.40	26.35	36.18	28.81	0.91	1.05	3.32	3.14
June	2.04	17.60	55.50	230.00	27.28	37.46	30.48	0.95	1.09	3.45	3.26
II	1.96	17.43	54.23	221.47	27.02	36.61	29.34	0.93	1.03	3.28	3.10
July	2.22	19.10	57.10	254.80	29.61	38.54	33.76	1.02	1.20	3.81	3.60
Aug.	2.50	21.72	61.75	275.00	33.67	41.68	36.44	1.12	1.38	4.39	4.15
Sept.	2.57	21.40	65.38	272.50	33.17	44.13	36.11	1.13	1.44	4.56	4.31
III	2.43	20.74	61.41	267.43	32.15	41.45	35.43	1.09	1.34	4.25	4.02
Oct.	2.41	22.45	67.00	268.50	34.80	45.23	35.58	1.16	1.25	3.98	3.76
Nov.	2.36	26.90	68.50	256.25	41.70	46.24	33.95	1.22	1.14	3.62	3.42
Dec.	2.32	28.25	70.00	255.85	43.79	47.25	33.90	1.25	1.07	3.40	3.21
IV	2.36	25.87	68.50	260.20	40.09	46.24	34.48	1.21	1.16	3.67	3.47
2003											
Jan.	2.29	29.30	68.25	239.75	45.42	46.07	31.77	1.23	1.06	3.36	3.17
Feb.	2.33	28.90	66.50	234.00	44.80	44.89	31.01	1.21	1.12	3.57	3.37
Mar.	2.31	27.20	66.25	230.70	42.16	44.72	30.57	1.17	1.14	3.60	3.41
I	2.31	28.47	67.00	234.82	44.12	45.23	31.11	1.20	1.11	3.51	3.32
Apr.	2.36	27.55	64.80	226.20	42.70	43.74	29.97	1.16	1.20	3.80	3.59
May	2.40	29.10	62.50	235.00	45.11	42.19	31.14	1.18	1.22	3.86	3.65
June	2.37	30.15	62.90	230.40	46.73	42.46	30.53	1.20	1.17	3.72	3.52
II	2.38	28.93	63.40	230.53	44.85	42.80	30.55	1.18	1.19	3.79	3.58
July	2.13	29.90	59.50	223.70	46.35	40.16	29.64	1.16	0.97	3.07	2.91
Aug.	2.26	30.68	61.60	226.90	47.55	41.58	30.06	1.19	1.07	3.39	3.20
Sept.	2.25	27.71	67.10	246.90	42.95	45.29	32.71	1.21	1.04	3.30	3.12
III	2.21	29.43	62.73	232.50	45.62	42.35	30.81	1.19	1.03	3.26	3.08
Oct.	2.11	26.99	76.90	263.40	41.83	51.91	34.90	1.29	0.82	2.61	2.47
Nov.	2.26	27.56	100.00	321.88	42.72	67.50	42.65	1.53	0.73	2.32	2.19
Dec.	2.38	28.73	109.50	337.50	44.53	73.91	44.72	1.63	0.75	2.38	2.25
IV	2.25	27.76	95.47	307.59	43.03	64.44	40.76	1.48	0.77	2.44	2.30
2004											
Jan.	2.52	29.26	101.63	360.63	45.35	68.60	47.78	1.62	0.90	2.87	2.71
Feb.	2.73	30.16	99.50	371.25	46.75	67.16	49.19	1.63	1.10	3.49	3.30
Mar.	2.89	30.56	83.20	383.00	47.37	56.16	50.75	1.54	1.35	4.28	4.04
I	2.71	29.99	94.78	371.63	46.49	63.97	49.24	1.60	1.12	3.54	3.35
Apr.	3.03	30.56	83.20	383.00	47.37	56.16	50.75	1.54	1.49	4.72	4.46

1/ Reported prices are Illinois points. These corn values represent country elevator producer bid prices and do not reflect the additional costs of handling and transporting the corn to Midwest processing plants.

Sources: "Grain and Feed Market News," Agricultural Marketing Service, Livestock and Seed Division; Economic Research Service, USDA, byproduct credits and net cost calculations.

Table 32--U.S. corn sweetener exports to Mexico and Canada, fiscal years--Continued

Fiscal year	Dextrose 1/	Glucose syrup 2/	HFCS-42 syrup 3/	Crystalline fructose 4/	HFCS-55 syrup 5/	HFCS-55 solid 6/	Total, HFCS and crystalline fructose	Total, listed corn sweeteners
U.S. exports to Mexico								
Volume								
	Metric tons, dry basis							
1991	3,019	0	923	0	7,628	83	8,634	11,653
1992	3,055	29	6,925	62	10,256	655	17,898	20,982
1993	2,427	764	16,508	12	13,300	169	29,989	33,180
1994	7,126	418	21,165	75	45,251	738	67,229	74,773
1995	6,756	2,053	9,488	895	31,465	7,988	49,837	58,646
1996	11,116	381	11,349	471	47,273	18,607	77,700	89,197
1997	15,324	2,566	17,590	973	156,252	13,701	188,516	206,406
1998	10,997	8,287	3,515	1,757	133,586	19,758	158,616	177,900
1999	7,864	3,653	5,444	6,316	159,815	7,726	179,301	190,818
2000	7,649	3,263	3,385	6,711	129,024	8,632	147,752	158,664
2001	6,484	8,206	5,507	5,086	101,096	5,362	117,051	131,741
2002	9,599	11,076	2,231	5,221	27,980	301	35,733	56,408
2003	15,597	13,961	902	3,882	785	825	6,394	35,952
Oct. 03-Apr. 04	9,625	5,342	175	1,564	377	2,354	4,470	19,437
Value								
	Thousand dollars							
1991	1,876	0	628	0	4,499	131	5,258	7,134
1992	1,999	12	2,023	34	3,810	233	6,100	8,111
1993	1,861	343	4,625	18	4,738	131	9,512	11,716
1994	4,816	287	6,783	118	17,801	515	25,217	30,319
1995	4,435	610	4,268	437	13,243	2,773	20,720	25,766
1996	6,064	116	7,488	457	20,080	5,332	33,357	39,537
1997	9,811	735	8,757	1,692	67,494	3,155	81,098	91,644
1998	7,055	2,580	1,570	2,232	51,568	5,581	60,951	70,586
1999	4,612	1,498	2,025	3,170	52,878	2,356	60,429	66,539
2000	4,489	1,570	1,270	5,027	39,470	2,789	48,556	54,615
2001	3,650	2,628	2,082	3,371	32,779	3,336	41,568	47,846
2002	4,667	3,537	972	3,539	9,032	389	13,932	22,136
2003	7,149	5,078	345	3,218	449	312	4,324	16,551
Oct. 03-Apr. 04	4,720	2,075	135	1,190	400	857	2,582	9,377
Unit value								
	Cents per pound, dry basis							
1991	28.2	NA	30.9	NA	26.8	71.6	27.6	27.8
1992	29.7	18.8	13.3	24.9	16.9	16.1	15.5	17.5
1993	34.8	20.4	12.7	68.0	16.2	35.2	14.4	16.0
1994	30.7	31.1	14.5	71.4	17.8	31.7	17.0	18.4
1995	29.8	13.5	20.4	22.1	19.1	15.7	18.9	19.9
1996	24.7	13.8	29.9	44.0	19.3	13.0	19.5	20.1
1997	29.0	13.0	22.6	78.9	19.6	10.4	19.5	20.1
1998	29.1	14.1	20.3	57.6	17.5	12.8	17.4	18.0
1999	26.6	18.6	16.9	22.8	15.0	13.8	15.3	15.8
2000	26.6	21.8	17.0	34.0	13.9	14.7	14.9	15.6
2001	25.5	14.5	17.1	30.1	14.7	28.2	16.1	16.5
2002	22.1	14.5	19.8	30.7	14.6	58.6	17.7	17.8
2003	20.8	16.5	17.3	37.6	25.9	17.2	30.7	20.9
Oct. 03-Apr. 04	22.2	17.6	35.0	34.5	48.1	16.5	26.2	21.9

continued--

Table 32--U.S. corn sweetener exports to Mexico and Canada, fiscal years

Fiscal year	Dextrose 1/	Glucose syrup 2/	HFCS-42 syrup 3/	Crystalline fructose 4/	HFCS-55 syrup 5/	HFCS-55 solid 6/	Total, HFCS and crystalline fructose	Total, listed corn sweeteners
U.S. exports to Canada								
Volume								
Metric tons, dry basis								
1991	59,398	0	4,531	701	60,524	0	65,756	125,154
1992	32,123	21,540	3,472	1,961	50,905	0	56,338	110,001
1993	13,147	25,505	791	3,151	36,225	0	40,167	78,819
1994	11,594	34,490	1,519	4,933	19,187	0	25,639	71,724
1995	23,297	36,334	10,145	3,012	7,725	0	20,882	80,513
1996	23,955	66,449	9,393	3,851	7,452	0	20,696	111,100
1997	30,234	62,545	4,008	5,916	35,086	0	45,010	137,789
1998	27,290	66,566	26,667	3,979	92,082	0	122,728	216,584
1999	28,410	61,374	32,944	4,767	48,046	0	85,757	175,541
2000	28,753	70,626	26,009	4,863	43,879	0	74,751	174,130
2001	31,173	73,161	16,758	5,485	45,419	0	67,662	171,996
2002	38,735	71,293	10,544	6,648	57,213	0	74,405	184,433
2003	47,949	91,840	11,533	7,481	58,536	0	77,550	217,339
Oct. 03-Apr. 04	24,061	44,391	5,912	4,776	25,002	0	35,690	104,142
Value								
Thousand dollars								
1991	26,735	0	1,846	604	33,540	0	35,990	62,725
1992	14,256	10,122	1,363	1,485	21,705	0	24,553	48,931
1993	5,609	13,611	238	2,011	15,672	0	17,921	37,141
1994	5,413	17,748	504	3,134	8,516	0	12,154	35,316
1995	11,004	18,705	3,712	1,816	3,537	0	9,066	38,775
1996	11,226	25,869	3,433	2,436	3,247	0	9,116	46,211
1997	15,727	23,583	1,665	3,122	14,575	0	19,362	58,672
1998	14,000	25,294	8,436	2,214	38,985	0	49,635	88,929
1999	14,412	25,590	10,133	2,505	20,242	0	32,880	72,882
2000	14,217	29,158	8,208	2,788	17,450	0	28,446	71,821
2001	13,798	31,290	6,114	3,157	19,452	0	28,723	73,811
2002	16,985	32,207	3,601	3,976	25,349	0	32,926	82,118
2003	19,681	33,524	3,137	4,779	26,986	0	34,902	88,107
Oct. 03-Apr. 04	10,489	18,643	1,828	2,965	11,610	0	16,403	45,535
Unit value								
Cents per pound, dry basis								
1991	20.4	NA	18.5	39.1	25.1	NA	24.8	22.7
1992	20.1	21.3	17.8	34.3	19.3	NA	19.8	20.2
1993	19.4	24.2	13.7	28.9	19.6	NA	20.2	21.4
1994	21.2	23.3	15.1	28.8	20.1	NA	21.5	22.3
1995	21.4	23.4	16.6	27.4	20.8	NA	19.7	21.8
1996	21.3	17.7	16.6	28.7	19.8	NA	20.0	18.9
1997	23.6	17.1	18.8	23.9	18.8	NA	19.5	19.3
1998	23.3	17.2	14.3	25.2	19.2	NA	18.3	18.6
1999	23.0	18.9	14.0	23.8	19.1	NA	17.4	18.8
2000	22.4	18.7	14.3	26.0	18.0	NA	17.3	18.7
2001	20.1	19.4	16.5	26.1	19.4	NA	19.3	19.5
2002	19.9	20.5	15.5	27.1	20.1	NA	20.1	20.2
2003	18.6	16.6	12.3	29.0	20.9	NA	20.4	18.4
Oct. 03-Apr. 04	19.8	19.0	14.0	28.2	21.1	NA	20.8	19.8

Note: Fiscal year is October-September.

NA= Not applicable.

1/ Harmonized Tariff Code 1702.30.0000 and 1702.30.0020. Dry basis is commercial weight multiplied by .92.

2/ Harmonized Tariff Code 1702.30.0040. Dry basis is commercial weight multiplied by .803.

3/ Harmonized Tariff Code 1702.40.0000. Dry basis is commercial weight multiplied by .71.

4/ Harmonized Tariff Code 1702.50.0000. No conversion necessary for dry basis.

5/ Harmonized Tariff Code 1702.60.0050. Dry basis is commercial weight multiplied by .77.

6/ Harmonized Tariff Code 1702.60.0060. Dry basis is commercial weight multiplied by .77. Bureau of Custom's classification.

Source: U.S. Census Bureau.

Table 33--U.S. corn sweetener imports from Mexico and Canada, fiscal years--Continued

Fiscal year	Dextrose 1/	Glucose syrup 2/	HFCS-42 syrup 3/	Crystalline fructose 4/	HFCS-55 syrup 5/	HFCS-55 solid 6/	Total, HFCS and crystalline fructose	Total, listed corn sweeteners
U.S. imports from Mexico								
Volume								
Metric tons, dry basis								
1991	0	344	0	0	0	0	0	344
1992	0	16	0	0	304	0	304	320
1993	0	70	0	0	234	0	234	304
1994	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0
1996	0	127	0	0	0	2	2	129
1997	0	0	0	0	0	1,871	1,871	1,871
1998	0	0	0	0	0	688	688	688
1999	0	121	0	0	0	1,110	1,110	1,231
2000	0	285	13	0	0	1,258	12,889	13,174
2001	0	371	0	3	0	756	759	1,130
2002	0	352	92	3	0	119	214	566
2003	0	613	11,631	0	0	5,501	17,132	17,745
Oct. 03-Apr. 04	0	216	5,587	0	0	494	6,081	6,297
Value								
Thousand dollars								
1991	0	99	0	0	0	0	0	99
1992	0	9	0	0	152	0	152	161
1993	0	15	0	0	126	0	126	141
1994	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0
1996	0	44	0	0	0	4	4	48
1997	0	0	0	0	0	794	794	794
1998	0	0	0	0	0	1,077	1,077	1,077
1999	0	131	0	0	0	1,827	1,827	1,958
2000	0	282	10	0	0	2,470	2,480	2,762
2001	0	346	0	6	0	1,430	1,436	1,782
2002	0	269	75	8	0	259	342	611
2003	0	440	3,540	0	0	2,051	5,591	6,031
Oct. 03-Apr. 04	0	125	1,816	0	0	477	2,293	2,418
Unit value								
Cents per pound, dry basis								
1991	NA	13.1	NA	NA	NA	NA	NA	13.1
1992	NA	25.5	NA	NA	22.7	NA	22.7	22.8
1993	NA	9.7	NA	NA	24.4	NA	24.4	21.0
1994	NA	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	NA	NA	NA	NA
1996	NA	15.7	NA	NA	NA	90.7	90.7	16.9
1997	NA	NA	NA	NA	NA	19.2	19.2	19.2
1998	NA	NA	NA	NA	NA	71.0	71.0	71.0
1999	NA	49.1	NA	NA	NA	74.7	74.7	72.1
2000	NA	44.9	0.0	NA	NA	89.1	8.7	9.5
2001	NA	42.3	NA	90.7	NA	85.8	85.8	71.5
2002	NA	34.7	37.0	121.0	NA	98.7	72.5	49.0
2003	NA	32.6	13.8	NA	NA	16.9	14.8	15.4
Oct. 03-Apr. 04	NA	26.2	14.7	NA	NA	43.8	17.1	17.4

continued--

Table 33--U.S. corn sweetener imports from Mexico and Canada, fiscal years

Fiscal year	Dextrose 1/	Glucose syrup 2/	HFCS-42 syrup 3/	Crystalline fructose 4/	HFCS-55 syrup 5/	HFCS-55 solid 6/	Total, HFCS and crystalline fructose	Total, listed corn sweeteners
U.S. imports from Canada								
Volume	Metric tons, dry basis							
1991	0	6,698	61,238	1	24,859	64,368	150,466	157,164
1992	0	10,674	53,531	12	112,075	3	165,621	176,295
1993	0	11,507	15,396	0	157,115	15	172,526	184,033
1994	0	11,332	26,587	0	116,352	0	142,939	154,271
1995	0	11,620	34,868	1	10,608	28,924	74,401	86,021
1996	0	13,967	48,085	0	0	48,852	96,937	110,903
1997	0	20,335	51,479	0	0	55,666	107,145	127,480
1998	0	16,683	52,795	0	0	57,015	109,810	126,493
1999	0	15,768	56,610	0	0	45,250	101,860	117,628
2000	0	12,564	61,138	0	0	50,023	111,161	123,725
2001	0	11,137	68,061	0	0	57,309	125,370	136,507
2002	0	11,430	70,508	0	0	58,201	128,709	140,139
2003	0	14,213	57,629	0	0	55,488	113,117	127,330
Oct. 03-Apr. 04	0	7,098	25,799	0	0	22,090	47,889	54,987
Value	Thousand dollars							
1991	0	1,672	20,452	20	8,658	21,151	50,281	51,953
1992	0	2,642	16,208	26	36,072	12	52,318	54,960
1993	0	3,333	4,073	0	44,862	13	48,948	52,281
1994	0	5,085	8,796	0	37,344	0	46,140	51,225
1995	0	4,706	11,363	2	4,047	10,535	25,947	30,653
1996	0	5,245	15,399	0	0	14,695	30,094	35,338
1997	0	6,440	14,644	0	0	18,704	33,348	39,788
1998	0	4,782	14,605	0	0	16,478	31,083	35,865
1999	0	4,526	15,523	0	0	14,867	30,390	34,916
2000	0	3,910	15,608	0	0	14,855	30,463	34,373
2001	0	3,048	18,360	0	0	15,851	34,211	37,259
2002	0	3,434	19,343	0	0	15,489	34,832	38,266
2003	0	3,868	16,477	0	0	17,744	34,221	38,089
Oct. 03-Apr. 04	0	2,053	7,213	0	0	7,151	14,364	16,417
Unit value	Cents per pound, dry basis							
1991	NA	11.3	15.1	907.2	15.8	14.9	15.2	15.0
1992	NA	11.2	13.7	98.3	14.6	181.4	14.3	14.1
1993	NA	13.1	12.0	NA	13.0	39.3	12.9	12.9
1994	NA	20.4	15.0	NA	14.6	NA	14.6	15.1
1995	NA	18.4	14.8	90.7	17.3	16.5	15.8	16.2
1996	NA	17.0	14.5	NA	NA	13.6	14.1	14.5
1997	NA	14.4	12.9	NA	NA	15.2	14.1	14.2
1998	NA	13.0	12.5	NA	NA	13.1	12.8	12.9
1999	NA	13.0	12.4	NA	NA	14.9	13.5	13.5
2000	NA	14.1	11.6	NA	NA	13.5	12.4	12.6
2001	NA	12.4	12.2	NA	NA	12.5	12.4	12.4
2002	NA	13.6	12.4	NA	NA	12.1	12.3	12.4
2003	NA	12.3	13.0	NA	NA	14.5	13.7	13.6
Oct. 03-Apr. 04	NA	13.1	12.7	NA	NA	14.7	13.6	13.5

NA = Not applicable. Note: Fiscal year is October-September.

1/ Harmonized Tariff Code 1702.30.0000 and 1702.30.0020. Dry basis is commercial weight multiplied by .92.

2/ Harmonized Tariff Code 1702.30.2000, 1702.30.2020, 1702.30.2040, 1702.30.4000, 1702.30.4040.

Dry basis is commercial weight multiplied by .803.

3/ Harmonized Tariff Code 1702.40.0010, 1702.40.0020, 1702.40.0030, 1702.40.0040, 1702.40.0060, 1702.40.2200, 1702.40.4000.

Dry basis is commercial weight multiplied by .71.

4/ Harmonized Tariff Code 1702.50.0000. No conversion necessary for dry basis.

5/ Harmonized Tariff Code 1702.60.0010, 1702.60.0020, 1702.60.0030, 1702.60.0040, 1702.60.0050, 1702.60.0055. Dry basis is commercial weight multiplied by .77.

6/ Harmonized Tariff Code 1702.60.0060, 1702.60.2200, 1702.60.2800, 1702.60.4020, 1702.60.4090.

Dry basis is commercial weight multiplied by .77.

Bureau of Customs classification.

Source: U.S. Census Bureau.

Table 34--U.S. HFCS trade with Mexico and Canada, monthly 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Metric tons, commercial basis													
U.S. exports to Mexico													
1990	168	652	934	435	162	984	1,126	727	477	834	832	867	8,199
1991	927	414	389	517	771	605	880	2,383	1,896	1,871	1,019	1,440	13,112
1992	1,894	1,691	1,467	2,498	2,151	2,965	1,880	1,932	3,176	4,853	2,802	3,186	30,495
1993	1,199	3,231	5,637	2,475	2,133	2,851	2,633	3,064	6,694	6,231	5,988	7,664	49,799
1994	5,694	10,291	7,625	2,090	7,475	5,066	14,525	7,292	9,670	10,809	5,584	6,732	92,854
1995	4,392	1,973	3,494	4,273	4,634	6,199	4,328	6,896	6,183	9,040	4,263	5,047	60,722
1996	6,186	6,846	6,293	8,008	5,923	8,592	13,596	13,199	15,022	51,722	25,035	23,613	184,035
1997	11,412	9,058	14,312	14,299	10,183	12,163	17,149	18,865	38,655	14,658	18,338	15,164	194,255
1998	6,588	9,339	12,888	24,340	25,616	15,373	30,688	17,778	15,090	9,262	26,733	24,737	218,432
1999	24,328	11,097	16,436	19,412	25,064	11,711	26,135	15,039	21,821	18,196	10,569	25,319	225,127
2000	16,911	7,915	8,206	16,840	20,036	21,242	21,485	14,697	8,922	22,283	15,002	28,498	202,037
2001	4,537	20,454	16,585	5,270	12,472	10,321	3,666	3,924	9,025	9,015	8,164	19,387	122,820
2002	1,577	731	876	1,045	858	250	651	593	1,901	516	481	221	9,700
2003	139	295	518	1,932	1,150	410	499	588	464	933	417	769	8,114
2004 2/	333	616	1,383	906	NA	NA	NA	NA	NA	NA	NA	NA	3,238
U.S. exports to Canada													
1990	3,011	3,274	5,597	5,023	7,044	5,191	6,933	6,327	4,877	5,370	4,366	4,001	61,014
1991	3,508	4,060	5,017	5,544	9,676	10,677	14,704	10,887	7,873	8,378	5,360	7,708	93,393
1992	6,824	4,555	6,261	7,008	4,617	5,701	8,111	4,948	3,491	5,430	3,225	2,131	62,301
1993	2,743	4,812	4,180	5,204	5,755	6,236	4,975	4,736	1,882	5,436	4,149	3,368	53,477
1994	2,335	2,200	2,909	2,896	3,712	1,880	1,114	917	1,073	894	1,231	689	21,848
1995	2,697	847	1,748	1,206	1,864	4,008	5,723	4,752	1,677	835	911	1,319	27,585
1996	1,054	1,300	1,662	2,143	4,191	5,230	4,596	1,554	1,962	1,309	1,181	1,596	27,778
1997	2,308	4,371	4,428	8,588	4,082	6,898	10,253	6,025	6,091	3,442	6,330	7,948	70,764
1998	6,324	6,742	16,970	15,784	17,784	31,224	17,138	17,334	14,106	5,733	9,170	12,699	171,008
1999	6,162	5,378	11,383	11,280	7,791	13,202	14,300	11,030	5,142	4,344	5,503	4,874	100,389
2000	4,885	7,772	11,151	7,873	10,283	13,710	8,829	8,628	5,594	8,502	6,009	3,914	97,150
2001	7,711	5,613	7,626	7,602	5,802	12,074	10,842	6,728	5,039	5,305	7,443	2,835	84,620
2002	5,782	3,950	5,998	9,135	11,931	12,614	13,423	10,363	7,025	5,619	5,752	5,700	97,292
2003	6,354	4,154	6,148	14,735	10,731	13,036	12,391	8,517	6,607	6,214	5,429	543	94,859
2004	3,645	7,381	8,605	8,896	NA	NA	NA	NA	NA	NA	NA	NA	28,527
U.S. imports from Canada													
1990	16,935	15,767	19,020	14,921	19,961	19,356	17,610	16,347	13,931	16,957	22,183	14,701	207,689
1991	17,593	15,657	17,640	16,972	16,265	15,133	17,477	16,510	15,042	18,679	12,523	14,064	193,556
1992	18,408	20,040	22,872	18,991	18,669	20,419	17,061	18,629	20,607	18,855	16,852	19,424	230,827
1993	18,703	13,905	20,997	24,476	16,965	17,536	17,960	19,691	20,384	17,071	16,459	19,712	223,859
1994	18,927	14,801	18,890	16,566	12,725	13,193	13,048	12,084	15,077	9,779	10,291	9,426	164,807
1995	11,518	6,113	7,812	7,625	8,343	6,514	6,294	8,236	8,498	7,782	8,013	8,816	95,565
1996	12,538	12,194	12,404	11,667	9,996	9,541	9,125	13,076	16,018	15,921	15,519	11,154	149,153
1997	9,577	11,103	11,681	12,942	10,851	11,549	10,115	12,392	11,995	13,243	11,728	12,384	139,560
1998	12,874	10,289	12,009	13,215	13,005	10,664	12,225	13,168	13,603	11,713	8,144	10,891	141,800
1999	10,463	9,737	12,141	13,450	11,829	13,303	13,399	11,153	12,276	14,114	12,229	12,798	146,892
2000	13,088	13,600	13,350	11,646	12,726	11,553	11,532	13,332	11,032	11,931	11,262	11,661	146,713
2001	15,010	14,829	16,571	15,001	15,516	15,830	15,487	15,997	11,208	17,318	14,812	14,083	181,662
2002	15,207	12,851	15,915	14,648	16,427	13,191	15,052	13,212	12,215	13,891	12,491	11,799	166,899
2003	14,186	14,502	13,729	14,320	14,209	11,178	10,020	11,410	11,494	12,477	11,603	11,601	150,729
2004	16,143	13,303	16,031	13,796	NA	NA	NA	NA	NA	NA	NA	NA	59,273

NA = Not available. 1/ All the tariff codes included in tables 32 and 33 except for those under the dextrose and glucose categories.

Source: Bureau of the Census, U.S. Department of Commerce.

Table 35--Mexican imports of high fructose corn syrup from the United States

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Calendar year	Fiscal year
Metric tons, dry weight basis														
HFCS-42 1/														
1995	176.2	1,301.7	1,238.8	952.0	774.6	1,588.7	1,435.3	1,201.4	1,344.5	696.1	1,606.3	1,487.6	13,803.2	NA
1996	1,448.4	2,053.5	1,265.3	826.8	1,276.1	2,708.6	2,382.7	1,776.4	4,307.1	3,670.2	4,803.4	1,837.1	28,355.6	21,834.9
1997	354.1	497.6	339.3	79.3	36.0	74.1	664.9	137.9	3,889.3	75.9	65.0	58.7	6,272.0	16,383.2
1998	69.9	93.1	93.9	680.7	1,268.1	33.0	16.0	27.9	9.2	689.9	1,886.1	85.6	4,953.5	2,491.4
1999	114.4	164.8	228.2	222.6	283.3	291.5	165.4	111.1	293.4	311.0	342.7	312.3	2,840.6	4,536.4
2000	333.9	292.9	381.8	327.6	396.3	347.0	266.8	315.2	368.2	538.4	345.6	487.9	4,401.5	3,995.6
2001	410.3	399.1	535.4	439.2	502.0	424.3	404.1	419.2	382.9	522.1	445.6	346.4	5,230.7	5,288.4
2002	350.4	214.7	181.8	47.0	64.5	0.4	0.0	39.8	218.7	15.5	31.0	75.8	1,239.7	2,431.5
2003	154.2	143.4	137.5	154.2	153.8	253.8	141.8	48.6	82.9	64.6	61.0	65.4	1,461.2	1,392.5
HFCS-55 and above 2/														
1995	4,236.8	1,978.1	2,667.4	3,347.2	2,300.3	5,968.4	1,002.4	4,778.2	2,261.4	6,462.5	2,438.3	3,477.2	40,918.2	NA
1996	5,109.2	5,568.5	4,102.6	4,317.3	2,617.6	6,633.3	10,980.4	10,519.4	7,568.0	23,926.9	22,401.6	19,276.7	123,021.6	69,794.3
1997	24,704.0	9,630.2	20,028.5	30,895.2	18,304.2	22,822.3	29,170.3	11,807.6	34,456.1	17,103.5	19,100.1	22,626.9	260,648.9	267,423.7
1998	27,550.5	9,186.4	19,660.2	22,793.6	21,868.0	15,930.0	25,495.1	13,086.1	12,666.3	12,502.2	16,428.5	22,631.0	219,798.0	227,066.7
1999	15,563.5	8,701.3	13,183.1	16,768.0	16,902.8	17,654.7	21,245.0	50,681.8	45,989.6	18,094.9	12,976.9	20,953.3	258,715.0	258,251.7
2000	9,630.7	13,524.4	21,364.3	13,954.2	23,785.4	17,673.8	17,063.7	22,087.7	15,270.8	20,182.5	25,358.3	17,224.9	217,120.7	206,380.1
2001	11,820.7	16,566.2	16,756.3	12,210.1	23,390.5	15,684.2	16,740.6	17,771.9	12,640.9	20,688.0	16,771.7	16,122.8	197,164.2	206,347.2
2002	576.5	469.3	9,572.0	926.5	718.6	362.4	4,187.1	233.0	234.0	364.8	274.0	357.8	18,276.1	70,862.1
2003	258.5	276.8	332.5	364.7	537.8	436.5	257.6	329.2	298.0	260.6	242.2	304.2	3,898.6	4,088.2
Crystalline fructose 3/														
1995	10.5	0.3	77.8	11.2	0.0	0.1	0.0	0.0	0.0	0.3	18.5	18.7	137.6	NA
1996	49.1	0.1	67.8	19.3	18.8	18.4	207.5	74.1	40.4	74.2	449.3	249.5	1,268.3	532.9
1997	345.8	703.6	362.0	110.5	130.0	132.8	248.6	359.4	145.3	139.1	112.6	130.9	2,920.7	3,311.0
1998	246.2	230.8	308.9	372.7	453.1	611.1	536.6	607.4	407.3	262.7	367.7	178.7	4,583.3	4,156.8
1999	173.4	538.6	585.5	588.3	554.7	570.0	512.2	692.8	560.5	329.3	355.4	369.5	5,830.2	5,585.2
2000	549.2	656.8	788.6	641.1	1,045.4	987.3	1,006.9	726.7	572.6	318.0	268.8	809.3	8,370.6	8,028.7
2001	447.8	806.0	1,003.7	589.3	887.3	609.6	897.6	732.9	417.7	386.7	308.2	571.1	7,657.7	7,787.9
2002	1,003.4	602.1	982.8	1,205.6	1,110.5	156.8	1,367.5	894.8	2,152.3	84.4	427.2	42.2	10,029.6	10,741.8
2003	86.6	346.5	485.7	2,157.7	1,154.0	308.9	237.4	163.2	348.3	734.2	363.6	374.6	6,760.6	5,842.0
Total fructose														
1995	4,423.6	3,280.1	3,984.1	4,310.4	3,074.9	7,557.1	2,437.7	5,979.6	3,605.8	7,158.9	4,063.1	4,983.6	54,858.9	NA
1996	6,606.6	7,622.0	5,435.7	5,163.5	3,912.4	9,360.3	13,570.6	12,370.0	11,915.5	27,671.3	27,654.3	21,363.3	152,645.5	92,162.1
1997	25,403.9	10,831.4	20,729.8	31,085.0	18,470.2	23,029.2	30,083.9	12,304.9	38,490.7	17,318.5	19,277.7	22,816.5	269,841.6	287,117.9
1998	27,866.6	9,510.3	20,063.1	23,847.1	23,589.2	16,574.1	26,047.6	13,721.4	13,082.8	13,454.9	18,682.3	22,895.4	229,334.8	233,714.9
1999	15,851.3	9,404.6	13,996.7	17,579.0	17,740.8	18,516.2	21,922.6	51,485.7	46,843.5	18,735.2	13,674.9	21,635.1	267,385.8	268,373.2
2000	10,513.7	14,474.0	22,534.8	14,923.0	25,227.0	19,008.2	18,337.3	23,129.6	16,211.6	21,038.9	25,972.7	18,522.0	229,892.8	218,404.4
2001	12,678.9	17,771.3	18,295.4	13,238.5	24,779.9	16,718.1	18,042.2	18,924.1	13,441.5	21,596.8	17,525.5	17,040.3	210,052.5	219,423.5
2002	1,930.4	1,286.2	10,736.7	2,179.0	1,893.6	519.6	5,554.6	1,167.6	2,605.0	484.7	732.2	475.8	29,545.4	84,035.4
2003	499.2	766.8	955.7	2,676.6	1,845.6	999.2	636.9	540.9	729.2	1,059.3	666.9	744.1	12,120.5	11,322.7

NA = Not available

NA = Not available.

1/ HS 17024001 and 17024099. Dry conversion factor = 0.71.

2/ HS 17026000, 17026001, and 17026099. Dry conversion factor = 0.77.

3/ HS 17025001. Dry conversion factor = 1.00

Source: SECOFI

Table 36--U.S. corn refinery exports

Table 36--U.S. corn refinery exports											
Calendar year	Primary products						Byproducts				Total corn refinery exports
	Corn starch	Glucose corn syrup	HFCS 1/	Crystalline fructose	Dextrose	Total	Corn oil	Corn gluten meal 2/	Corn gluten feed 3/	Total	
Metric tons											
1980	26,467	18,594	4/	NA	25,063	70,124	67,270	603	2,540,538	2,608,411	2,678,535
1981	35,973	15,744	4/	NA	23,650	75,367	82,976	1,319	2,787,614	2,871,909	2,947,276
1982	27,607	2,911	1,295	NA	14,267	46,080	93,911	11,415	2,854,231	2,959,557	3,005,637
1983	28,156	5,312	1,189	NA	12,528	47,185	110,910	3,301	3,594,226	3,708,437	3,755,622
1984	35,733	2,448	1,041	NA	14,469	53,691	144,289	41,943	3,622,834	3,809,066	3,862,757
1985	30,928	2,506	334	NA	7,925	41,693	118,537	155,496	3,342,606	3,616,639	3,658,332
1986	42,418	2,610	830	NA	9,137	54,995	152,201	204,491	4,049,074	4,405,766	4,460,761
1987	56,820	3,790	1,182	NA	14,754	76,546	138,858	181,581	4,241,337	4,561,776	4,638,322
1988	54,805	20,908	16,367	NA	31,901	123,981	168,647	307,038	4,713,089	5,188,774	5,312,755
1989	61,561	20,380	55,877	2,365	28,754	168,938	174,115	329,691	4,825,066	5,328,872	5,497,810
1990	51,714	34,851	145,337	7,652	25,721	265,275	203,682	435,171	5,350,278	5,989,131	6,254,406
1991	50,317	52,519	119,000	9,040	31,452	262,328	235,440	514,412	5,543,492	6,293,344	6,555,672
1992	59,172	33,785	97,812	16,760	32,311	239,841	260,297	550,939	5,638,960	6,450,196	6,690,036
1993	58,130	37,385	105,098	23,335	23,676	247,624	362,587	617,522	5,799,484	6,779,593	7,027,218
1994	67,247	44,375	118,931	22,040	33,345	285,938	341,942	678,519	5,666,146	6,686,607	6,972,545
1995	110,530	49,114	101,677	17,975	49,923	329,218	377,182	660,675	6,363,048	7,400,905	7,730,123
1996	104,486	93,113	219,713	36,246	65,908	519,467	407,283	759,278	5,055,437	6,221,998	6,741,465
1997	126,371	92,994	269,446	44,462	73,127	606,400	489,353	824,132	5,225,815	6,539,300	7,145,701
1998	91,355	101,890	390,123	54,748	63,382	701,498	522,404	724,703	4,999,217	6,246,324	6,947,822
1999	90,972	96,676	329,988	66,364	57,796	641,796	419,509	612,003	5,047,446	6,078,958	6,720,754
2000	88,387	111,454	318,415	48,691	55,675	622,621	433,914	746,951	5,091,831	6,272,696	6,895,317
2001	97,387	129,781	210,982	52,714	61,404	552,268	441,054	802,299	4,485,709	5,729,062	6,281,330
2002	104,105	148,405	118,045	41,714	75,094	487,362	533,267	810,994	4,209,700	5,553,961	6,041,323
2003	86,977	156,843	131,996	44,238	94,151	514,205	384,017	940,779	3,749,969	5,074,765	5,588,970

1/ High fructose corn syrup.

2/ 1980-84 corn oil meal; corn gluten meal separately reported beginning calendar 1985.

3/ Definitely includes corn gluten meal, 1980-84; negligible corn oil meal added to corn gluten feed beginning 1985.

Throughout 1980-91, corn gluten feed dominates this category.

4/ HFCS included with glucose corn syrup, 1980-81.

Source: U.S. Customs Service.

Table 37--U.S. dextrose supply and use (including Puerto Rico), by calendar year

Year	Production	Imports	Total supply	Net change in stocks	Total use	Exports	Non-food use	Food and beverage use
1,000 short tons, dry weight								
1992	642	5	647	-1	648	33	145	461
1993	669	4	673	9	664	24	152	481
1994	701	5	707	9	698	34	159	502
1995	745	16	761	11	749	51	167	528
1996	778	1	779	3	775	67	168	537
1997	745	1	746	-11	758	74	160	511
1998	731	1	732	-4	736	64	157	502
1999	707	0	707	-6	713	59	154	488
2000	708	1	708	1	707	56	169	476
2001	693	1	693	-5	699	62	160	469
2002	696	1	697	-3	699	76	148	473
2003	752	4	757	9	747	95	201	449

1/ Preliminary.

Sources: Economic Research Service and U.S. Customs Service.

Table 38--U.S. glucose supply and use (including Puerto Rico), by calendar year

Year	Production	Imports	Total supply	Net change in stocks	Total use	Exports	Non-food use	Food and beverage use
1,000 short tons, dry weight								
1992	2,642	17	2,659	61	2,598	30	622	1,943
1993	2,721	19	2,739	32	2,708	33	611	2,050
1994	2,822	18	2,839	31	2,809	39	660	2,093
1995	2,932	17	2,949	37	2,912	43	687	2,176
1996	3,000	21	3,021	18	3,004	82	700	2,216
1997	3,225	28	3,253	64	3,190	82	743	2,364
1998	3,089	28	3,118	-20	3,138	90	689	2,358
1999	3,000	24	3,025	-28	3,053	86	682	2,281
2000	3,038	28	3,066	1	3,065	99	736	2,230
2001	3,037	27	3,064	-4	3,068	115	748	2,205
2002	3,021	32	3,053	-8	3,062	131	704	2,224
2003	3,101	30	3,131	15	3,116	139	764	2,209

Sources: Economic Research Service and U.S. Customs Service.

Table 39--U.S. beet pulp exports, by major destination, calendar year 1/

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Japan	342,597	298,148	310,030	380,879	367,595	398,007	361,034	359,848	262,907	312,554	344,121	349,426	303,791	297,184
Spain	48,666	62,549	90,294	62,982	120,143	142,194	163,423	131,908	153,528	136,738	147,108	197,985	101,234	96,781
Morocco	0	0	22,585	4,972	0	26,586	4,400	0	0	8,018	42,401	35,141	8,933	0
Canada	1,301	1,247	1,976	1,175	2,878	2,648	5,762	16,957	17,889	16,840	19,071	21,612	21,458	21,277
Denmark	0	2,274	0	39,294	24,294	81,982	65,950	59,191	80,516	58,623	21,118	15,314	18,551	16,753
Italy	5,614	0	0	3,300	0	0	0	0	0	0	4,835	12,437	14,890	14,890
Mexico	1,541	1,198	557	1,810	292	1,291	2,493	717	1,014	985	1,025	11,999	39,004	44,212
Taiwan	248	77	940	1,600	1,016	849	273	2,734	4,218	2,869	1,828	2,473	8,182	1,657
Netherlands	76,739	169,625	166,145	138,538	74,743	135,752	80,629	27,747	0	0	0	2,302	0	0
Ireland	21,450	34,430	45,617	32,291	27,406	26,814	6,215	4,447	19,167	19,426	0	0	0	0
France	36,740	37,263	7,299	0	0	4,064	9,997	0	0	0	0	0	0	0
United Kingdom	0	5,736	14,632	56	34,513	16,589	2,191	81	13,313	7,301	0	0	0	0
Belgium	13,980	13,108	0	15,537	0	0	0	0	0	0	0	0	8,500	0
Germany	0	0	0	0	577	0	18,130	77	0	687	0	11,999	0	0
Rest-of-world	353	203	194	7,402	442	92	128	32	2,552	6,083	22,499	24,988	55,999	63,751
Total exports	549,229	625,858	660,269	689,836	653,899	836,868	720,625	603,739	555,104	570,124	604,006	673,677	580,542	556,505

1/ HTS 2303200020 and 2303200040.

Source: U.S. Customs Service.

Table 40--U.S. total imports of sugar syrup, harmonized tariff code 1702.90.4000, monthly

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Thousand dollars													
1996	10	6	102	930	1	6	0	18	0	19	28	15	1,135
1997	1,610	2	98	318	561	1,576	2,105	2,028	2,690	3,692	2,048	2,178	18,906
1998	2,904	2,435	3,257	3,609	2,803	2,801	2,092	2,645	3,079	2,260	3,720	2,516	34,121
1999	2,559	2,544	2,472	3,224	3,275	3,671	4,907	4,004	3,264	2,204	4,706	3,126	39,956
2000	3,646	2,023	2,520	2,426	2,369	2,430	3,060	2,644	2,849	2,655	2,339	1,573	30,534
2001	2,128	1,971	2,538	2,402	2,459	2,348	1,589	2,936	3	12	0	0	18,386
2002	0	65	65	0	0	0	7	11	14	65	0	7	234
2003	3	0	0	10	5	0	14	0	2	0	44	318	396
2004	300	469	----	----	----	----	----	----	----	----	----	----	769
Thousand liters, commercial weight													
1996	74	58	1,549	14,721	1	60	0	16	0	85	120	75	16,759
1997	1,742	16	298	972	1,639	3,595	6,110	5,913	7,852	10,844	6,034	6,359	51,374
1998	8,400	7,441	11,497	14,114	10,835	10,705	7,444	9,413	11,161	8,554	15,568	9,925	125,057
1999	10,114	10,094	9,921	11,913	10,999	12,028	19,467	18,801	18,268	13,220	23,730	15,549	174,104
2000	12,840	9,462	11,818	11,244	11,236	12,568	19,755	13,042	13,616	12,980	10,958	6,533	146,052
2001	8,722	7,784	9,304	8,745	9,028	8,764	5,959	10,998	1	37	0	0	69,342
2002	0	1,001	1,001	0	0	0	4	18	174	1,001	0	4	3,203
2003	2	0	0	2	10	0	7	0	2	0	195	1,409	1,627
2004	1,309	2,105	----	----	----	----	----	----	----	----	----	----	3,414
Cents per liter													
1996	14	10	7	6	100	10	NA	113	NA	22	23	20	7
1997	92	13	33	33	34	44	34	34	34	34	34	34	37
1998	35	33	28	26	26	26	28	28	28	26	24	25	27
1999	25	25	25	27	30	31	25	21	18	17	20	20	23
2000	28	21	21	22	21	19	15	20	21	20	21	24	21
2001	24	25	27	27	27	27	27	27	300	32	NA	NA	27
2002	NA	6	6	NA	NA	NA	175	61	8	6	NA	175	7
2003	150	NA	NA	500	50	NA	200	NA	100	NA	23	23	24
2004	23	22	----	----	----	----	----	----	----	----	----	----	23
Thousand dollars													
1996	10	6	102	930	1	6	0	18	0	19	28	15	1,135
1997	1,610	2	98	318	561	1,576	2,105	2,028	2,690	3,692	2,048	2,178	18,906
1998	2,904	2,435	3,257	3,609	2,803	2,801	2,092	2,645	3,079	2,260	3,720	2,516	34,121
1999	2,559	2,544	2,472	3,224	3,275	3,671	4,907	4,004	3,264	2,204	4,706	3,126	39,956
2000	3,646	2,023	2,520	2,426	2,369	2,430	3,060	2,644	2,849	2,655	2,339	1,573	30,534
2001	2,128	1,971	2,538	2,402	2,459	2,348	1,589	2,936	3	12	0	0	18,386
2002	0	65	65	0	0	0	7	11	14	65	0	7	234
2003	3	0	0	10	5	0	14	0	2	0	44	318	396
2004	300	469	----	----	----	----	----	----	----	----	----	----	769
Metric tons, commercial weight													
1996	83	65	2,255	11,754	1	34	0	19	0	86	118	102	14,517
1997	2,744	16	360	1,270	2,123	4,927	8,161	7,912	10,506	14,395	7,953	8,471	68,838
1998	11,197	9,869	14,998	18,315	14,280	14,200	10,033	12,690	14,982	11,446	21,065	13,165	166,240
1999	13,499	13,471	13,217	15,907	14,671	16,016	26,286	25,260	24,533	17,621	32,154	21,113	233,748
2000	16,389	12,641	15,779	15,043	15,043	16,776	17,204	17,300	17,671	16,555	13,734	8,734	182,869
2001	11,668	10,428	12,469	11,721	12,093	11,746	7,994	14,720	5	17	0	0	92,861
2002	0	22	22	0	0	0	4	17	7	22	0	4	98
2003	3	0	0	2	2	0	7	0	2	0	260	855	1,131
2004	992	1,617	----	----	----	----	----	----	----	----	----	----	2,609
Dollars per metric ton													
1996	120	92	45	79	1,000	176	NA	947	NA	221	237	147	78
1997	587	125	272	250	264	320	258	256	256	256	258	257	275
1998	259	247	217	197	196	197	209	208	206	197	177	191	205
1999	190	189	187	203	223	229	187	159	133	125	146	148	171
2000	222	160	160	161	157	145	178	153	161	160	170	180	167
2001	182	189	204	205	203	200	199	199	600	706	NA	NA	198
2002	NA	2,955	2,955	NA	NA	NA	1,750	647	2,000	2,955	NA	1,750	2,388
2003	1,000	NA	NA	5,000	2,500	NA	2,000	NA	1,000	14,395	169	372	350
2004	302	290	----	----	----	----	----	----	----	----	----	----	295

NA=Not applicable. ---- = Not available. Note: It is estimated that a metric ton of sugar syrup (wet weight) yields .55 short tons, raw value of sugar.

Source: U.S. Customs.

Table 41--Monthly imports of molasses, by tariff code

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Calendar	Fiscal
1,000 Liters														
HTS 1703.10.3000 - Cane molasses for commercial extraction of edible sugar														
1995	329	309	248	165	236	332	799	442	601	720	735	644	5,558	6,015
1996	1,145	191	178	532	1,261	177	774	243	200	237	208	220	5,366	6,799
1997	366	232	298	629	825	118	142	134	192	447	527	455	4,367	3,602
1998	236	415	745	578	636	714	631	434	523	918	611	549	6,991	6,342
1999	490	10,352	21,333	516	400	540	366	470	286	544	308	158	35,761	36,830
2000	256	204	710	539	561	813	760	557	226	907	2,122	3,959	11,614	5,636
2001	4,020	5,323	5,372	7,644	7,538	7,333	6,746	11,233	10,625	6,380	4,073	2,406	78,693	72,822
2002	1,941	5,710	8,841	7,485	9,395	6,441	9,961	8,267	6,188	5,165	1,305	624	71,323	77,088
2003	3,487	271	771	1,690	4,416	4,772	4,486	6,505	6,990	8,538	7,557	6,901	56,383	40,482
HTS 1703.10.5000 - Cane molasses, subject to quota														
1995	24,543	46,455	72,760	75,569	47,578	27,568	77,982	32,519	45,667	51,514	57,408	59,172	618,735	605,227
1996	25,761	87,180	76,774	95,945	68,362	75,341	63,902	43,225	111,351	80,480	40,731	66,749	835,800	815,936
1997	43,510	66,313	78,179	60,945	129,466	53,161	36,027	100,100	94,932	58,115	60,527	40,024	821,298	850,592
1998	49,017	83,002	105,023	118,276	63,414	76,637	31,994	27,052	79,920	98,971	40,746	29,947	803,999	793,002
1999	22,170	40,536	47,892	39,232	52,338	33,910	54,748	53,860	40,203	7,714	22,400	52,276	467,280	554,552
2000	34,871	45,919	52,618	35,680	22,190	32,826	9,807	39,808	24,066	53,514	3,849	21,191	376,339	380,176
2001	77,508	26,090	44,685	41,325	51,385	70,531	56,473	38,369	55,269	112,762	40,174	27,834	642,406	540,189
2002	29,450	96,587	87,038	122,287	71,848	17,037	51,819	85,678	82,032	45,367	115,613	46,915	851,669	824,545
2003	117,475	81,523	107,011	93,564	152,953	89,082	86,755	90,432	69,976	64,792	63,196	41,326	1,058,086	1,096,667
HTS 1703.90.3000 Molasses from extraction/refining of sugar														
1995	0	5	10	0	1	3	0	1	0	0	1	0	21	21
1996	10	0	16	0	1	13	1	0	0	0	0	0	40	41
1997	1	8	9	0	0	0	21	0	0	0	9	8	55	39
1998	1	3	1	5	4	1	0	0	0	0	0	0	14	30
1999	0	0	5	11	1	0	1	0	1	12	0	2	34	19
2000	0	0	0	10	0	0	1	0	0	2	0	6	19	26
2001	0	0	0	0	0	0	0	0	1	2	0	0	3	9
2002	2	25	29	41	28	2	4	1	0	0	14	2	148	134
2003	34	56	33	87	88	2	0	12	2	1	31	15	360	329
HTS 1703.90.5000 Molasses from extraction/refining of sugar														
1995	18,791	10,401	16,984	20,631	12,247	16,239	6,485	11,189	0	1,634	14,046	359	129,006	215,883
1996	14,240	74	42	4,232	7,348	17,522	17,589	9,403	15,941	2,782	844	59,406	149,424	102,431
1997	22,368	18,891	4,343	29,255	16,985	5,637	33,428	15,786	7,598	6,315	84	39,607	200,298	217,325
1998	42,374	29,359	30,246	9,067	27,429	4,516	21,738	0	21,066	12,429	19,863	43,781	261,867	231,800
1999	17,350	5,287	28,363	23,955	33,322	26,304	14,517	27,537	18,441	15,263	32,446	20,974	263,761	271,150
2000	55,535	52,413	53,176	33,363	29,307	36,860	12,313	38,425	19,515	50,150	16,536	34,938	432,529	399,590
2001	44,619	20,209	52,168	42,406	28,354	23,822	21,177	26,142	20,642	23,764	27,800	15,331	346,434	381,162
2002	8,255	14,446	17,653	16,847	29,286	19,666	15,145	8,878	7,119	22,483	15,616	36,550	211,944	204,190
2003	14,667	18,685	28,885	23,015	32,235	11,305	11,459	7,532	14,180	8,708	11,728	1	182,399	236,612
Total molasses imports														
1995	43,663	57,170	90,002	96,365	60,062	44,142	85,265	44,151	46,268	53,869	72,191	60,176	753,321	827,147
1996	41,157	87,445	77,009	100,709	76,971	93,053	82,266	52,870	127,492	83,499	41,783	126,375	990,630	925,207
1997	66,245	85,444	82,829	90,829	147,276	58,916	69,619	116,020	102,723	64,876	61,148	80,094	1,026,018	1,071,558
1998	91,628	112,779	136,014	127,926	91,483	81,868	54,363	27,486	101,510	112,317	61,220	74,277	1,072,871	1,031,175
1999	40,010	56,175	97,594	63,714	86,061	60,754	69,632	81,867	58,931	23,534	55,153	73,411	766,835	862,551
2000	90,662	98,536	106,504	69,593	52,059	70,499	22,881	78,789	43,807	104,573	22,507	60,093	820,502	785,427
2001	126,147	51,622	102,224	91,375	87,277	101,686	84,396	75,744	86,537	142,908	72,048	45,570	1,067,536	994,182
2002	39,648	116,767	113,561	146,659	110,557	43,146	76,929	102,824	95,340	73,015	132,548	84,091	1,135,084	1,105,956
2003	135,663	100,535	136,700	118,356	189,691	105,161	102,700	104,481	91,148	82,038	82,512	48,243	1,297,229	1,374,090

Source: U.S. Customs Service.

Table 42--U.S. blackstrap molasses prices

Year	New Orleans	Houston	South Florida	Savannah	Baltimore	Upper Mississippi River	Los Angeles	Stockton
Dollars per short ton								
1991	67.02	69.52	74.58	82.52	89.15	94.78	80.00	80.00
1992	61.27	63.75	68.36	76.70	80.41	92.92	78.43	78.43
1993	55.48	57.12	62.36	70.00	76.03	89.26	74.24	74.44
1994	65.53	69.86	72.23	79.23	85.94	91.97	83.31	83.31
1995	72.00	76.37	79.92	87.48	86.30	99.11	90.30	90.30
1996	74.88	79.41	83.07	92.55	91.27	104.71	97.11	97.34
1997	58.14	62.13	68.00	77.51	76.84	90.69	83.38	83.77
1998	46.35	48.85	59.92	68.75	63.37	78.00	69.30	69.64
1999	33.77	36.30	49.15	56.63	51.06	65.50	58.32	58.32
2000	44.64	48.94	58.34	65.42	61.73	71.66	71.78	71.35
2001	67.97	72.33	76.79	83.30	90.12	85.45	92.82	92.27
2002	64.57	68.76	74.23	87.50	87.02	84.01	84.81	84.81
2003	57.67	62.92	66.72	81.18 1/	81.11 1/	78.78 1/	78.61 1/	78.61 1/

1/ Average of January through September 2003.

To convert dollars per short ton to cents per gallon divide by 171.

To compute price per metric ton multiply dollars per short ton by 1.1023.

Source: *Molasses Market News*, Agricultural Marketing Service, USDA.

Table 43--U.S. maple syrup production, imports, exports, and prices, by calendar year

Calendar year	Production	Imports	Exports	U.S. price
	----- 1,000 U.S. gallons -----			Dollars/gallon
1975	1,201	607	70	10.43
1976	927	886	80	11.26
1977	1,221	891	90	12.09
1978	1,154	811	60	12.92
1979	1,219	857	62	14.13
1980	973	856	41	16.30
1981	1,410	1,046	66	17.70
1982	1,317	1,154	54	17.48
1983	1,167	1,288	37	17.68
1984	1,390	1,248	52	17.87
1985	1,344	1,323	123	17.03
1986	951	1,673	211	23.60
1987	792	1,410	211	28.14
1988	1,153	1,246	178	26.56
1989	1,198	1,606	270	26.20
1990	1,073	1,872	209	25.10
1991	1,299	1,960	305	22.22
1992	1,641	2,303	457	23.80
1993	1,007	2,704	603	23.30
1994	1,324	3,307	569	24.40
1995	1,096	3,168	608	26.20
1996	1,567	3,260	821	26.90
1997	1,298	3,650	655	27.10
1998	1,159	3,726	460	27.80
1999	1,188	3,960	844	27.60
2000	1,231	4,104	426	27.56
2001	1,049	4,618	396	28.60
2002	1,393	4,673	501	27.50
2003	1,260	4,692	615	28.30
2004	1,507	NA	NA	NA

Sources: National Agricultural Statistics Service, USDA; New England Agricultural Statistics; New York Agricultural Statistics Service; and Bureau of the Census, U.S. Dept. of Commerce.

Table 44--U.S. maple syrup production and value, by State, calendar years

State and region	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Production - 1,000 gallons												
New England:												
Connecticut	10	11	7	10	9	9	13	7	9	8	10	11
Maine	113	150	162	167	185	170	195	250	200	230	285	290
Massachusetts	33	40	29	49	44	47	44	39	34	45	37	50
New Hampshire	66	73	64	89	76	67	61	75	45	75	60	83
Vermont	310	435	365	550	395	360	370	460	275	500	420	500
Total	532	709	627	865	709	653	683	831	563	858	812	934
Northeast:												
New York	180	251	208	343	269	231	195	210	193	260	210	255
Midwest:												
Pennsylvania	40	59	43	71	63	72	67	47	69	55	52	60
Ohio	75	90	65	90	95	78	95	34	96	75	51	78
Michigan	75	85	55	88	75	55	73	44	60	66	59	80
Minnesota	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	105	130	98	110	87	70	75	65	68	79	76	100
Total	295	364	261	359	320	275	310	190	293	275	238	318
U.S. total	1,007	1,324	1,096	1,567	1,298	1,159	1,188	1,231	1,049	1,393	1,260	1,507
Value of production - 1,000 dollars												
New England:												
Connecticut	432	471	281	427	375	370	556	307	411	472	486	--
Maine	1,616	2,145	2,965	3,657	3,663	3,502	3,783	3,550	3,740	5,335	6,413	--
Massachusetts	1,112	1,456	1,105	1,906	1,637	1,701	1,707	1,474	1,380	1,896	1,550	--
New Hampshire	2,343	2,540	2,413	3,311	3,055	2,425	2,281	2,858	1,800	3,411	2,580	--
Vermont	7,440	10,397	10,147	14,575	10,902	10,440	10,730	13,800	8,470	13,770	11,676	--
Total	12,943	17,009	16,911	23,876	19,632	18,438	19,057	21,989	15,801	24,884	22,705	--
Northeast:												
New York	3,366	6,150	4,888	8,747	6,752	6,202	5,324	6,090	5,694	6,838	5,628	--
Midwest:												
Pennsylvania	964	1,528	1,079	1,747	1,638	1,872	1,742	1,335	1,746	1,602	1,425	--
Ohio	2,228	2,340	1,872	2,565	2,926	2,324	2,850	1,166	3,005	2,423	1,790	--
Michigan	1,913	2,491	1,480	2,737	2,363	1,760	2,058	1,544	1,884	2,438	1,841	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	2,079	2,730	2,489	2,497	1,905	1,617	1,778	1,800	1,986	2,315	2,212	--
Total	7,184	9,089	6,920	9,546	8,832	7,573	8,428	5,845	8,621	8,778	7,268	--
U.S. total	23,493	32,248	28,719	42,169	35,216	32,213	32,809	33,924	30,116	40,500	35,601	--
Price per gallon - dollars												
New England:												
Connecticut	43.20	42.82	40.14	42.70	41.67	41.11	42.77	43.86	45.67	59.00	--	
Maine	14.30	14.30	18.30	21.90	19.80	20.60	19.40	14.20	18.70	23.20	--	
Massachusetts	33.70	36.40	38.10	38.90	37.20	36.19	38.80	37.79	40.59	42.13	--	
New Hampshire	35.50	34.79	37.70	37.20	40.20	36.19	37.39	38.11	40.00	45.48	--	
Vermont	24.00	23.90	27.80	26.50	27.60	29.00	29.00	30.00	30.80	27.54	--	
Total	24.33	23.99	26.97	27.60	27.69	28.24	27.90	26.46	28.07	29.00	--	
Northeast:												
New York	18.70	24.50	23.50	25.50	25.10	26.85	27.30	29.00	29.50	26.30	--	
Midwest:												
Pennsylvania	24.10	25.90	25.09	24.61	26.00	26.00	26.00	28.40	25.30	29.13	--	
Ohio	29.71	26.00	28.80	28.50	30.80	29.79	30.00	34.29	31.30	32.31	--	
Michigan	25.51	29.31	26.91	31.10	31.51	32.00	28.19	35.09	31.40	36.94	--	
Minnesota												
Wisconsin	19.80	21.00	25.40	22.70	21.90	23.10	23.71	27.69	29.21	29.30	--	
Total	24.35	24.97	26.51	26.59	27.60	27.54	27.19	30.76	29.42	31.92	--	
U.S. total	23.30	24.40	26.20	26.90	27.10	27.80	27.60	27.56	28.71	29.07	--	

Source: National Agricultural Statistics Service, USDA.

Table 45--U.S. maple syrup exports, by country

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
	1,000 gallons													
Japan	28.9	77.1	9.2	4.9	6.1	9.4	7.8	12.2	21.8	258.9	42.8	42.8	119.4	94.8
Mexico	15.8	14.2	138.5	197.3	296.5	268.3	454.0	266.8	128.9	108.2	52.4	36.9	32.5	77.8
Canada	45.5	25.4	56.2	153.6	84.1	74.9	68.9	88.6	98.1	80.9	92.5	161.9	169.9	167.7
Taiwan	1.1	2.4	10.7	0.0	0.0	4.8	17.0	16.4	11.0	53.0	2.4	1.0	3.4	1.3
United Kingdom	0.0	12.1	5.4	3.9	7.4	8.9	26.4	31.4	39.6	36.8	4.1	3.1	5.3	0.0
Saudi Arabia	17.6	60.4	47.7	29.0	46.1	47.2	35.8	28.2	40.9	23.2	50.2	41.8	29.2	43.9
Hong Kong	3.7	3.6	21.5	3.9	7.8	12.5	12.1	13.5	8.4	11.4	5.8	0.2	1.6	0.1
El Salvador	0.0	0.0	0.0	0.0	2.3	2.6	0.0	0.2	5.6	9.2	10.7	9.3	11.0	11.8
United Arab Emirates	0.0	2.7	0.0	0.2	0.0	0.5	0.6	1.1	9.3	9.1	10.0	3.8	10.3	16.5
Colombia	0.0	0.0	0.0	0.4	0.0	0.8	0.0	8.7	4.5	6.8	11.7	7.7	18.7	14.2
Venezuela	0.0	12.0	12.2	3.2	0.0	0.1	0.3	0.7	4.6	6.7	9.9	8.7	2.1	3.1
Australia	4.0	2.4	62.3	62.2	35.3	93.1	135.0	24.4	10.7	6.4	0.3	1.0	0.5	1.7
Dominican Republic	9.8	1.7	2.9	3.1	2.1	5.3	0.7	0.2	10.9	4.2	11.7	2.8	7.0	3.7
Israel	1.3	0.0	0.0	0.4	0.2	1.6	0.4	0.2	6.8	4.1	0.5	6.6	6.3	2.7
Bahamas	0.2	0.3	0.3	0.0	0.9	0.0	0.4	0.4	4.6	2.8	4.3	2.1	4.1	2.9
Costa Rica	0.4	0.9	0.0	0.4	2.6	1.0	5.7	7.6	6.6	1.4	12.2	14.1	15.4	17.5
Denmark	2.8	2.1	0.0	2.6	1.3	0.7	3.0	3.9	5.8	1.2	1.5	0.0	0.1	2.7
Germany	4.9	5.1	0.3	0.0	0.6	0.0	0.3	2.6	5.8	0.1	2.2	0.2	0.5	0.2
Russia	0.0	0.0	0.0	0.0	2.6	1.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
Rest-of-world	73.3	82.9	90.4	138.3	73.0	75.2	52.8	148.4	29.2	219.5	106.3	52.0	63.3	152.0
Total	209.4	305.3	457.5	603.4	569.1	607.8	821.0	655.3	460.0	843.9	431.4	395.8	500.7	614.6

Source: U.S. Customs Service.

Table 46--U.S. honey production, imports, exports, stocks, and average price, by calendar year

Crop year	Colonies 1/ Thousands	Yield Pounds per colony	Production	Imports ----- Million pounds -----	Exports	Stocks 2/ Cents per pound	Average price Cents per pound	Stocks- to-use Percent
1986	3,205	62.5	200.4	120.0	9.2	27.7	51.1	8.6
1987	3,190	71.1	226.8	58.3	12.4	34.1	50.3	12.2
1988	3,219	66.3	214.1	55.9	14.0	32.7	50.0	12.0
1989	3,443	51.4	177.0	77.3	9.9	33.2	49.8	13.1
1990	3,210	61.6	197.8	77.0	12.4	31.1	53.7	11.2
1991	3,181	68.9	219.2	92.3	9.6	36.4	55.6	11.9
1992	3,030	72.8	220.6	114.6	10.4	39.1	55.0	11.7
1993	2,875	80.2	230.6	133.6	8.5	49.0	53.9	13.8
1994	2,783	78.4	218.2	123.2	8.3	59.9	52.8	18.1
1995	2,655	79.5	211.1	88.6	9.3	42.3	68.5	13.3
1996	2,581	77.3	199.5	150.6	9.9	47.2	88.8	13.7
1997	2,631	74.7	196.5	167.4	8.9	70.7	75.2	20.8
1998	2,633	83.7	220.3	132.4	10.4	80.8	65.5	23.6
1999	2,688	76.4	205.3	182.5	11.1	79.4	60.1	20.4
2000	2,620	84.1	220.3	198.5	10.1	85.3	59.7	20.9
2001	2,506	74.0	185.5	144.8	7.4	64.6	70.4	18.4
2002	2,574	66.7	171.7	202.6	6.9	39.4	132.7	9.9
2003	2,590	69.9	181.1	200.3	6.9	40.7	140.4	10.7

1/ Data include only beekeepers with five or more colonies.

2/ Stocks held by producers.

Sources: National Agricultural Statistics Service, USDA, and Bureau of the Census, U.S. Dept. of Commerce.

Table 47--Honey: Number of colonies, yield, production, stocks, price, and value by top producing States and United States 1/

Year	Honey producing colonies	Yield per colony	Production	Stocks Dec. 15 2/	Average price per pound	Value of production
	1,000	Pounds	-----1,000 pounds-----		Cents	1,000 dollars
United States						
1990	3,220	62	198,674	31,093	54	106,688
1991	3,211	69	220,917	36,420	56	122,830
1992	3,045	73	221,676	39,061	55	121,922
1993	2,875	80	230,575	49,046	54	124,280
1994	2,783	78	218,187	59,877	53	115,203
1995	2,655	80	211,073	42,313	69	144,585
1996	2,581	77	199,511	47,206	89	177,166
1997	2,631	75	196,536	70,696	75	147,795
1998	2,633	84	220,311	80,808	66	144,304
1999	2,688	76	205,250	79,375	60	126,075
2000	2,620	84	220,339	85,328	60	132,742
2001	2,506	74	185,461	64,556	70	132,225
2002	2,574	67	171,718	39,393	133	228,338
2003	2,590	70	181,096	40,735	140	255,791
California						
1990	480	42	20,160	2,218	54	10,886
1991	550	63	34,650	3,465	54	18,711
1992	490	67	32,830	4,268	52	17,072
1993	500	90	45,000	7,200	50	22,500
1994	400	60	24,000	6,480	51	12,240
1995	420	93	39,060	4,687	63	24,608
1996	390	70	27,300	4,641	84	22,932
1997	420	75	31,500	9,450	70	22,050
1998	450	83	37,350	12,326	62	23,157
1999	505	60	30,300	10,302	55	16,665
2000	440	70	30,800	11,396	59	18,172
2001	425	65	27,625	7,735	69	19,061
2002	470	50	23,500	3,525	132	31,020
2003	480	67	32,160	6,432	142	45,667
North Dakota						
1990	220	82	18,040	722	52	9,381
1991	215	103	22,145	3,100	54	11,958
1992	240	91	21,840	2,184	53	11,575
1993	220	90	19,800	2,772	52	10,296
1994	235	138	32,430	7,459	48	15,566
1995	220	108	23,760	3,802	67	15,919
1996	230	86	19,780	4,945	90	17,802
1997	245	100	24,500	7,350	74	18,130
1998	230	128	29,440	8,832	63	18,547
1999	255	105	26,775	8,836	59	15,797
2000	300	115	34,500	13,800	57	19,665
2001	280	96	26,880	9,408	69	18,547
2002	320	75	24,000	8,160	146	25,040
2003	340	87	29,580	6,803	136	40,229

continued--

Table 47--Honey: Number of colonies, yield, production, stocks, price, and value by top producing States and United States 1/--Continued

Year	Honey producing colonies	Yield per colony	Production	Stocks Dec. 15 2/	Average price per pound	Value of production
	1,000	Pounds	-----1,000 pounds-----		Cents	1,000 dollars
South Dakota						
1990	245	81	19,845	3,771	50	9,923
1991	225	101	22,725	4,091	54	12,272
1992	240	85	20,400	3,264	53	10,812
1993	245	98	24,010	4,322	52	12,485
1994	260	100	26,000	8,580	52	13,520
1995	240	85	20,400	4,896	71	14,484
1996	240	97	23,280	6,751	90	20,952
1997	240	65	15,600	8,736	74	11,544
1998	225	95	21,375	10,901	64	13,680
1999	224	104	23,296	13,046	60	13,978
2000	235	121	28,435	12,796	58	16,492
2001	235	65	15,275	12,220	71	10,845
2002	225	51	11,475	2,410	142	16,295
2003	200	70	14,000	2,520	146	20,440
Florida						
1990	220	95	20,900	1,881	48	10,032
1991	225	83	18,675	1,307	53	9,898
1992	220	104	22,880	2,517	53	12,126
1993	200	113	22,600	2,712	50	11,300
1994	230	84	19,320	2,898	47	9,080
1995	230	86	19,780	1,780	64	12,659
1996	240	105	25,200	2,268	86	21,672
1997	240	67	16,080	2,734	73	11,738
1998	230	98	22,540	4,508	64	14,426
1999	228	102	23,256	4,186	53	12,326
2000	232	105	24,360	2,923	54	13,154
2001	220	100	22,000	3,432	64	14,080
2002	220	93	20,460	2,060	114	23,324
2003	210	71	14,910	1,491	135	20,129
Minnesota						
1990	170	74	12,580	1,384	49	6,164
1991	180	91	16,380	2,457	54	8,845
1992	190	90	17,100	3,591	54	9,234
1993	180	80	14,400	2,160	53	7,632
1994	170	79	13,430	2,149	52	6,984
1995	165	82	13,530	1,218	70	9,471
1996	150	77	11,550	1,617	90	10,395
1997	145	73	10,585	2,011	74	7,833
1998	140	79	11,060	2,765	65	7,189
1999	145	82	11,890	3,210	61	7,253
2000	150	90	13,500	3,105	57	7,695
2001	135	81	10,935	1,859	65	7,108
2002	117	73	8,541	1,110	147	12,555
2003	120	83	9,960	21,892	146	14,542

continued--

Table 47--Honey: Number of colonies, yield, production, stocks, price, and value by top producing States and United States 1/--Continued

Year	Honey producing colonies	Yield per colony	Production	Stocks Dec. 15 2/	Average price per pound	Value of production
	1,000	Pounds	-----1,000 pounds-----		Cents	1,000 dollars
Montana						
1990	98	81	7,938	1,191	54	4,287
1991	86	92	7,912	1,187	57	4,510
1992	87	110	9,570	1,818	55	5,264
1993	95	98	9,310	1,583	54	5,027
1994	119	105	12,495	3,624	52	6,497
1995	106	80	8,480	1,781	72	6,106
1996	117	60	7,020	1,825	88	6,178
1997	107	120	12,840	4,237	74	9,502
1998	115	122	14,030	5,472	64	8,979
1999	122	70	8,540	2,135	60	5,124
2000	124	88	10,912	4,692	59	6,438
2001	136	102	13,872	4,578	67	9,294
2002	134	63	8,442	1,097	138	11,650
2003	145	66	9,570	1,914	148	14,164
Texas						
1990	140	67	9,380	1,501	59	5,534
1991	140	78	10,920	1,201	54	5,897
1992	125	85	10,625	1,488	52	5,525
1993	105	82	8,610	2,755	51	4,391
1994	103	74	7,622	2,058	50	3,811
1995	84	106	8,904	1,959	67	5,966
1996	82	83	6,806	1,361	85	5,785
1997	94	106	9,964	3,188	75	7,473
1998	91	77	7,007	1,612	62	4,344
1999	108	81	8,748	2,799	64	5,599
2000	105	79	8,295	2,986	57	4,728
2001	97	79	7,663	1,533	65	4,981
2002	114	67	7,638	985	114	8,707
2003	140	67	9,380	1,126	142	13,320
Michigan						
1990	100	80	8,000	2,560	56	4,480
1991	105	73	7,665	2,683	57	4,369
1992	95	68	6,460	2,067	59	3,811
1993	90	77	6,930	2,980	57	3,950
1994	90	86	7,740	3,870	55	4,257
1995	97	92	8,924	3,570	78	6,961
1996	90	96	8,640	4,320	101	8,726
1997	85	70	5,950	3,273	77	4,582
1998	80	85	6,800	3,672	66	4,488
1999	73	85	6,205	3,475	66	4,095
2000	72	75	5,400	2,970	60	3,240
2001	76	60	4,560	2,827	81	3,694
2002	72	77	5,544	1,885	140	7,762
2003	65	74	4,810	1,732	147	7,071

continued--

Table 47--Honey: Number of colonies, yield, production, stocks, price, and value by top producing States and United States 1/--Continued

Year	Honey producing colonies	Yield per colony	Production	Stocks Dec. 15 2/	Average price per pound	Value of production
	1,000	Pounds	-----1,000 pounds-----		Cents	1,000 dollars
Wisconsin						
1990	112	75	8,400	1,512	57	4,788
1991	110	67	7,370	1,843	56	4,127
1992	105	66	6,930	1,525	58	4,019
1993	100	82	8,200	4,100	59	4,838
1994	75	71	5,325	1,864	60	3,195
1995	73	79	5,767	2,134	70	4,037
1996	69	78	5,382	2,422	90	4,844
1997	79	60	4,740	2,797	90	4,266
1998	89	91	8,099	5,264	72	5,831
1999	80	75	6,000	4,560	68	4,080
2000	84	90	7,560	4,385	68	5,141
2001	67	81	5,427	3,419	82	4,450
2002	70	95	6,650	2,461	134	8,911
2003	74	77	5,698	2,678	144	8,205
Idaho						
1990	140	40	5,600	784	48	2,688
1991	140	46	6,440	1,739	54	3,478
1992	135	51	6,885	1,308	52	3,580
1993	133	71	9,443	1,700	52	4,910
1994	127	59	7,493	1,274	52	3,896
1995	125	48	6,000	1,020	69	4,140
1996	110	45	4,950	1,535	88	4,356
1997	120	64	7,680	2,304	72	5,530
1998	120	50	6,000	2,220	65	3,900
1999	120	48	5,760	3,110	59	3,398
2000	100	47	4,700	2,679	52	2,444
2001	100	46	4,600	1,610	67	3,082
2002	100	57	5,700	1,653	137	7,809
2003	100	46	4,600	1,380	135	6,210
Nebraska						
1990	118	56	6,608	1,189	49	3,238
1991	108	67	7,236	1,302	53	3,835
1992	96	75	7,200	792	53	3,816
1993	83	70	5,810	930	53	3,079
1994	72	55	3,960	1,465	56	2,218
1995	60	73	4,380	1,402	73	3,197
1996	65	75	4,875	1,755	92	4,485
1997	61	67	4,087	2,738	77	3,147
1998	64	70	4,480	2,240	86	3,853
1999	58	77	4,466	1,965	61	2,724
2000	50	87	4,350	2,610	59	2,567
2001	43	48	2,064	1,115	72	1,486
2002	43	75	3,225	1,161	149	4,805
2003	45	74	3,330	1,299	143	4,762

1/ Data include only beekeepers with five or more colonies.

2/ Stocks held by producers.

Source: National Agricultural Statistics Service, USDA.

Table 48--U.S. honey imports, by importing country, calendar year

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
World	77.0	92.3	114.6	133.6	123.2	88.6	150.6	167.4	132.4	182.5	198.5	144.8	202.6	200.3
Canada	7.6	14.2	16.8	12.0	10.2	26.5	17.6	8.7	15.5	26.6	28.6	23.3	43.2	25.6
Vietnam	0.0	0.0	0.0	0.0	0.0	0.2	1.6	2.0	6.5	3.4	4.2	12.7	31.6	17.4
Mexico	16.2	7.8	4.7	4.8	5.3	5.6	12.1	14.6	7.6	7.5	4.6	9.4	25.5	16.2
Argentina	19.4	20.4	31.1	36.0	40.3	27.6	68.3	107.1	69.5	91.6	99.2	45.1	19.2	9.8
China	25.5	44.8	60.1	76.8	64.7	27.5	42.8	25.3	30.5	51.0	59.1	39.1	16.7	50.3
Uruguay	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.2	0.3	0.1	5.5	13.2	11.7
Brazil	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	11.8	16.1
Thailand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.9	9.8	1.8
Chile	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.1	0.0	0.0	2.0	5.9	10.0
India	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.9	1.0	0.1	0.0	0.0	5.4	0.0
Australia	2.5	0.1	0.0	2.5	1.3	0.1	2.9	2.4	0.3	0.8	0.2	0.9	5.1	0.2
Turkey	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.9	0.0
Malaysia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
Ukraine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.2	0.0
Germany	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.5	1.2	0.0
Romania	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	0.0
Peru	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
Hungary	2.5	2.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.3	0.6	0.0
Spain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0
Bulgaria	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.1	0.1	0.4	0.0
Rest-of-the-world	5.6	4.7	1.8	1.6	1.3	1.0	3.6	6.1	2.1	1.3	1.8	3.7	20.6	41.3

Source: U.S. Customs Service.

Table 49--U.S. total estimated deliveries of caloric sweeteners for domestic food and beverage use, by calendar year 1/

Calendar year	Sugar 2/		Corn sweeteners				Honey	Other edible syrups	Total caloric sweeteners 3/
	Raw value	Refined basis	HFCS	Glucose syrup	Dextrose	Total			
1,000 short tons, dry basis									
1966	10,235	9,565	0	952	415	1,367	98	69	11,099
1967	10,474	9,789	3	984	428	1,415	89	50	11,342
1968	10,656	9,959	15	1,031	444	1,489	90	70	11,608
1969	10,950	10,234	33	1,061	459	1,553	101	61	11,949
1970	11,163	10,433	56	1,102	471	1,629	103	51	12,216
1971	11,345	10,603	86	1,163	482	1,731	93	52	12,478
1972	11,487	10,736	121	1,257	485	1,863	105	52	12,756
1973	11,429	10,681	218	1,384	489	2,092	95	53	12,922
1974	10,945	10,229	295	1,480	486	2,262	75	43	12,609
1975	10,302	9,628	527	1,515	473	2,515	108	43	12,294
1976	10,893	10,180	782	1,514	452	2,748	100	44	13,072
1977	11,099	10,373	1,057	1,517	429	3,003	100	44	13,519
1978	10,889	10,177	1,198	1,551	410	3,159	120	45	13,501
1979	10,756	10,052	1,660	1,519	399	3,578	117	44	13,791
1980	10,189	9,522	2,158	1,472	393	4,024	94	50	13,690
1981	9,769	9,130	2,626	1,486	390	4,501	96	46	13,773
1982	9,153	8,554	3,090	1,479	392	4,961	104	46	13,665
1983	8,812	8,236	3,655	1,523	398	5,577	116	47	13,975
1984	8,428	7,877	4,399	1,552	408	6,359	108	47	14,391
1985	8,003	7,479	5,386	1,607	418	7,411	104	50	15,043
1986	7,731	7,225	5,498	1,632	430	7,561	121	50	14,957
1987	8,103	7,573	5,792	1,679	441	7,912	104	50	15,642
1988	8,136	7,604	5,998	1,747	452	8,197	100	50	15,954
1989	8,304	7,761	5,960	1,587	438	7,985	95	50	15,892
1990	8,615	8,051	6,202	1,700	455	8,358	103	50	16,565
1991	8,622	8,058	6,376	1,776	463	8,615	116	50	16,841
1992	8,826	8,249	6,652	1,943	461	9,056	126	50	17,482
1993	8,886	8,305	7,086	2,050	481	9,617	135	50	18,110
1994	9,072	8,478	7,398	2,093	502	9,993	126	50	18,650
1995	9,258	8,652	7,676	2,176	528	10,380	120	50	19,208
1996	9,400	8,785	7,788	2,216	537	10,541	131	50	19,513
1997	9,481	8,861	8,240	2,364	511	11,116	129	50	20,162
1998	9,616	8,987	8,552	2,358	502	11,411	130	50	20,565
1999	9,912	9,264	8,897	2,281	488	11,666	147	50	21,136
2000	9,901	9,253	8,854	2,230	476	11,551	157	50	21,022
2001	9,841	9,198	8,922	2,231	469	11,595	134	50	20,985
2002	9,746	9,109	9,045	2,224	473	11,741	153	62	21,065
2003	9,478	8,893	8,869	2,209	449	11,527	146	63	20,594

1/ Per capita deliveries of sweeteners by U.S. processors and refiners and direct-consumption imports to food manufacturers, retailers, and other end users represent the per capita supply of caloric sweeteners. The data exclude deliveries to manufacturers of alcoholic beverages. Actual human intake of caloric sweeteners is lower because of uneaten food, spoilage, and other losses. See table 51 of the *Sugar and Sweeteners Yearbook* series for estimated intake of sugar.

2/ Based on sugar deliveries for domestic food and beverage use. See table 19 of the *Sugar and Sweeteners Yearbook* series.

3/ Total includes sugar, refined basis.

Source: Economic Research Service, USDA.

Table 50--U.S. per capita caloric sweeteners estimated deliveries for domestic food and beverage use, by calendar year 1/ 2/

Calendar year	U.S. population 3/ (July 1) Millions	Refined sugar 4/	HFCS	Corn sweeteners			Pure honey	Edible syrups	Total caloric sweeteners
				Glucose syrup	Dextrose	Total			
				Pounds, dry basis					
1970	205.1	101.8	0.5	10.7	4.6	15.9	1.0	0.5	119.1
1971	207.7	102.1	0.8	11.2	4.6	16.7	0.9	0.5	120.2
1972	209.9	102.3	1.2	12.0	4.6	17.8	1.0	0.5	121.5
1973	211.9	100.8	2.1	13.1	4.6	19.7	0.9	0.5	122.0
1974	213.9	95.7	2.8	13.8	4.5	21.2	0.7	0.4	117.9
1975	216.0	89.2	4.9	14.0	4.4	23.3	1.0	0.4	113.8
1976	218.0	93.4	7.2	13.9	4.1	25.2	0.9	0.4	119.9
1977	220.2	94.2	9.6	13.8	3.9	27.3	0.9	0.4	122.8
1978	222.6	91.4	10.8	13.9	3.7	28.4	1.1	0.4	121.3
1979	225.1	89.3	14.8	13.5	3.5	31.8	1.0	0.4	122.6
1980	227.7	83.6	19.0	12.9	3.5	35.3	0.8	0.4	120.2
1981	230.0	79.4	22.8	12.9	3.4	39.1	0.8	0.4	119.8
1982	232.2	73.7	26.6	12.7	3.4	42.7	0.9	0.4	117.7
1983	234.3	70.3	31.2	13.0	3.4	47.6	1.0	0.4	119.3
1984	236.3	66.7	37.2	13.1	3.5	53.8	0.9	0.4	121.8
1985	238.5	62.7	45.2	13.5	3.5	62.2	0.9	0.4	126.2
1986	240.7	60.0	45.7	13.6	3.6	62.8	1.0	0.4	124.3
1987	242.8	62.4	47.7	13.8	3.6	65.2	0.9	0.4	128.8
1988	245.0	62.1	49.0	14.3	3.7	66.9	0.8	0.4	130.2
1989	247.3	62.8	48.2	12.8	3.5	64.6	0.8	0.4	128.5
1990	250.1	64.4	49.6	13.6	3.6	66.8	0.8	0.4	132.4
1991	253.5	63.6	50.3	14.0	3.7	68.0	0.9	0.4	132.9
1992	256.9	64.2	51.8	15.1	3.6	70.5	1.0	0.4	136.1
1993	260.3	63.8	54.5	15.8	3.7	73.9	1.0	0.4	139.1
1994	263.4	64.4	56.2	15.9	3.8	75.9	1.0	0.4	141.6
1995	266.6	64.9	57.6	16.3	4.0	77.9	0.9	0.4	144.1
1996	269.7	65.2	57.8	16.4	4.0	78.2	1.0	0.4	144.7
1997	272.9	64.9	60.4	17.3	3.7	81.5	0.9	0.4	147.7
1998	276.1	65.1	61.9	17.1	3.6	82.7	0.9	0.4	149.0
1999	279.3	66.3	63.7	16.3	3.5	83.5	1.1	0.4	151.3
2000	282.4	65.5	62.6	15.8	3.4	81.8	1.1	0.4	148.9
2001	285.3	64.5	62.5	15.5	3.3	81.3	0.9	0.4	147.1
2002	288.2	63.2	62.8	15.4	3.3	81.5	1.1	0.4	146.2
2003	291.0	60.9	60.9	15.2	3.1	79.2	1.0	0.4	141.5

1/ Per capita deliveries of sweeteners by U.S. processors and refiners and direct-consumption imports to food manufacturers, retailers, and other end users represent the per capita supply of caloric sweeteners. The data exclude deliveries to manufacturers of alcoholic beverages. Actual human intake of caloric sweeteners is lower because of uneaten food, spoilage, and other losses. See table 51 of the *Sugar and Sweeteners Yearbook* series for estimated intake of sugar.

2/ Totals may not add due to rounding.

3/ Source: U.S. Census Bureau.

4/ Based on sugar deliveries for domestic food and beverage use.

Source: Economic Research Service, USDA.

Table 51--Refined cane and beet sugar: Estimated number of per capita calories consumed daily, by calendar year 1/

Year	Primary weight (market level) 2/	Loss from primary to retail weight		Weight at retail level	Loss from retail/institutional to consumer level	Loss at consumer level				Per capita consumption, adjusted for loss				Calories per serving (teaspoon)		Calories consumed daily 3/		Servings consumed daily 4/	
		Percent	Lb/yr			Nonedible share	Percent	Other (uneaten food, spoilage, etc.)	Lb/yr	Oz/day	G/day	Number	Grams	Number	Teaspoons				
																Percent	Lb/yr	Percent	Number
1970	101.8	0.0	101.8	11.0	90.6	0.0	20.0	72.5	3.2	90.0	16.0	4.2	343.0	21.4					
1971	102.1	0.0	102.1	11.0	90.9	0.0	20.0	72.7	3.2	90.4	16.0	4.2	344.2	21.5					
1972	102.3	0.0	102.3	11.0	91.0	0.0	20.0	72.8	3.2	90.5	16.0	4.2	344.8	21.6					
1973	100.8	0.0	100.8	11.0	89.7	0.0	20.0	71.8	3.1	89.2	16.0	4.2	339.8	21.2					
1974	95.7	0.0	95.7	11.0	85.1	0.0	20.0	68.1	3.0	84.6	16.0	4.2	322.5	20.2					
1975	89.2	0.0	89.2	11.0	79.4	0.0	20.0	63.5	2.8	78.9	16.0	4.2	300.5	18.8					
1976	93.4	0.0	93.4	11.0	83.1	0.0	20.0	66.5	2.9	82.6	16.0	4.2	314.8	19.7					
1977	94.2	0.0	94.2	11.0	83.8	0.0	20.0	67.1	2.9	83.3	16.0	4.2	317.5	19.8					
1978	91.4	0.0	91.4	11.0	81.4	0.0	20.0	65.1	2.9	80.9	16.0	4.2	308.2	19.3					
1979	89.3	0.0	89.3	11.0	79.5	0.0	20.0	63.6	2.8	79.0	16.0	4.2	301.1	18.8					
1980	83.6	0.0	83.6	11.0	74.4	0.0	20.0	59.5	2.6	74.0	16.0	4.2	281.9	17.6					
1981	79.4	0.0	79.4	11.0	70.7	0.0	20.0	56.5	2.5	70.3	16.0	4.2	267.6	16.7					
1982	73.7	0.0	73.7	11.0	65.6	0.0	20.0	52.5	2.3	65.2	16.0	4.2	248.4	15.5					
1983	70.3	0.0	70.3	11.0	62.6	0.0	20.0	50.1	2.2	62.2	16.0	4.2	237.0	14.8					
1984	66.7	0.0	66.7	11.0	59.3	0.0	20.0	47.5	2.1	59.0	16.0	4.2	224.7	14.0					
1985	62.7	0.0	62.7	11.0	55.8	0.0	20.0	44.7	2.0	55.5	16.0	4.2	211.4	13.2					
1986	60.0	0.0	60.0	11.0	53.4	0.0	20.0	42.8	1.9	53.1	16.0	4.2	202.4	12.7					
1987	62.4	0.0	62.4	11.0	55.5	0.0	20.0	44.4	1.9	55.2	16.0	4.2	210.3	13.1					
1988	62.1	0.0	62.1	11.0	55.2	0.0	20.0	44.2	1.9	54.9	16.0	4.2	209.2	13.1					
1989	62.8	0.0	62.8	11.0	55.9	0.0	20.0	44.7	2.0	55.5	16.0	4.2	211.5	13.2					
1990	64.4	0.0	64.4	11.0	57.3	0.0	20.0	45.8	2.0	57.0	16.0	4.2	217.0	13.6					
1991	63.6	0.0	63.6	11.0	56.6	0.0	20.0	45.3	2.0	56.3	16.0	4.2	214.3	13.4					
1992	64.2	0.0	64.2	11.0	57.2	0.0	20.0	45.7	2.0	56.8	16.0	4.2	216.5	13.5					
1993	63.8	0.0	63.8	11.0	56.8	0.0	20.0	45.4	2.0	56.5	16.0	4.2	215.1	13.4					
1994	64.4	0.0	64.4	11.0	57.3	0.0	20.0	45.8	2.0	57.0	16.0	4.2	217.0	13.6					
1995	64.9	0.0	64.9	11.0	57.8	0.0	20.0	46.2	2.0	57.4	16.0	4.2	218.8	13.7					
1996	65.2	0.0	65.2	11.0	58.0	0.0	20.0	46.4	2.0	57.7	16.0	4.2	219.6	13.7					
1997	64.9	0.0	64.9	11.0	57.8	0.0	20.0	46.2	2.0	57.5	16.0	4.2	218.9	13.7					
1998	65.1	0.0	65.1	11.0	57.9	0.0	20.0	46.3	2.0	57.6	16.0	4.2	219.4	13.7					
1999	66.3	0.0	66.3	11.0	59.0	0.0	20.0	47.2	2.1	58.7	16.0	4.2	223.6	14.0					
2000	65.5	0.0	65.5	11.0	58.3	0.0	20.0	46.7	2.0	58.0	16.0	4.2	220.9	13.8					
2001	64.5	0.0	64.5	11.0	57.4	0.0	20.0	45.9	2.0	57.0	16.0	4.2	217.1	13.6					
2002	63.2	0.0	63.2	11.0	56.3	0.0	20.0	45.0	2.0	55.9	16.0	4.2	213.0	13.3					
2003	60.9	0.0	60.9	11.0	54.2	0.0	20.0	43.3	1.9	53.9	16.0	4.2	205.0	12.8					

1/ Estimated number of daily per capita calories calculated by adjusting sugar deliveries for domestic food and beverage use for food losses.

2/ U.S. per capita cane and beet sugar estimated deliveries for domestic food and beverage use, calendar year. See table 50 of *Sugar and Sweeteners Yearbook series*.

3/ Number of daily teaspoons multiplied by calories per serving.

4/ Grams per day divided by serving weight.

Source: Economic Research Service.

Table 52--High fructose corn syrup: Estimated number of per capita calories consumed daily, by calendar year 1/

Year	Primary weight (market level) 2/	Table 32-1 High-moisture corn syrup: Estimated number of per capita calories consumed daily, by calendar year, 1970-2003																
		Loss from primary to retail weight		Weight at retail level		Loss from retail/institutional to consumer level		Weight at consumer level		Loss at consumer level		Per capita consumption (adjusted for loss)		Calories per serving	Serving weight	Calories consumed daily 3/	Servings (teaspoons) consumed daily 4/	
		Percent	Lb/yr	Percent	Lb/yr	Percent	Lb/yr	Percent	Lb/yr	Percent	Lb/yr	Oz/daily	G/daily					Number
1970	0.5	0	0.5	11	0.5	0	0.5	20	0.4	0.0	20	0.4	0.5	16	4.2	2	0.1	
1971	0.8	0	0.8	11	0.7	0	0.7	20	0.6	0.0	20	0.6	0.7	16	4.2	3	0.2	
1972	1.2	0	1.2	11	1.0	0	1.0	20	0.8	0.0	20	0.8	1.0	16	4.2	4	0.2	
1973	2.1	0	2.1	11	1.8	0	1.8	20	1.5	0.1	20	1.5	1.8	16	4.2	7	0.4	
1974	2.8	0	2.8	11	2.5	0	2.5	20	2.0	0.1	20	2.0	2.4	16	4.2	9	0.6	
1975	4.9	0	4.9	11	4.3	0	4.3	20	3.5	0.2	20	3.5	4.3	16	4.2	16	1.0	
1976	7.2	0	7.2	11	6.4	0	6.4	20	5.1	0.2	20	5.1	6.3	16	4.2	24	1.5	
1977	9.6	0	9.6	11	8.5	0	8.5	20	6.8	0.3	20	6.8	8.5	16	4.2	32	2.0	
1978	10.8	0	10.8	11	9.6	0	9.6	20	7.7	0.3	20	7.7	9.5	16	4.2	36	2.3	
1979	14.8	0	14.8	11	13.1	0	13.1	20	10.5	0.5	20	10.5	13.1	16	4.2	50	3.1	
1980	19.0	0	19.0	11	16.9	0	16.9	20	13.5	0.6	20	13.5	16.8	16	4.2	64	4.0	
1981	22.8	0	22.8	11	20.3	0	20.3	20	16.3	0.7	20	16.3	20.2	16	4.2	77	4.8	
1982	26.6	0	26.6	11	23.7	0	23.7	20	19.0	0.8	20	19.0	23.6	16	4.2	90	5.6	
1983	31.2	0	31.2	11	27.8	0	27.8	20	22.2	1.0	20	22.2	27.6	16	4.2	105	6.6	
1984	37.2	0	37.2	11	33.1	0	33.1	20	26.5	1.2	20	26.5	32.9	16	4.2	125	7.8	
1985	45.2	0	45.2	11	40.2	0	40.2	20	32.2	1.4	20	32.2	40.0	16	4.2	152	9.5	
1986	45.7	0	45.7	11	40.7	0	40.7	20	32.5	1.4	20	32.5	40.4	16	4.2	154	9.6	
1987	47.7	0	47.7	11	42.5	0	42.5	20	34.0	1.5	20	34.0	42.2	16	4.2	161	10.1	
1988	49.0	0	49.0	11	43.6	0	43.6	20	34.9	1.5	20	34.9	43.3	16	4.2	165	10.3	
1989	48.2	0	48.2	11	42.9	0	42.9	20	34.3	1.5	20	34.3	42.6	16	4.2	162	10.2	
1990	49.6	0	49.6	11	44.1	0	44.1	20	35.3	1.5	20	35.3	43.9	16	4.2	167	10.4	
1991	50.3	0	50.3	11	44.8	0	44.8	20	35.8	1.6	20	35.8	44.5	16	4.2	170	10.6	
1992	51.8	0	51.8	11	46.1	0	46.1	20	36.9	1.6	20	36.9	45.8	16	4.2	175	10.9	
1993	54.5	0	54.5	11	48.5	0	48.5	20	38.8	1.7	20	38.8	48.2	16	4.2	184	11.5	
1994	56.2	0	56.2	11	50.0	0	50.0	20	40.0	1.8	20	40.0	49.7	16	4.2	189	11.8	
1995	57.6	0	57.6	11	51.3	0	51.3	20	41.0	1.8	20	41.0	51.0	16	4.2	194	12.1	
1996	57.8	0	57.8	11	51.4	0	51.4	20	41.1	1.8	20	41.1	51.1	16	4.2	195	12.2	
1997	60.4	0	60.4	11	53.7	0	53.7	20	43.0	1.9	20	43.0	53.4	16	4.2	204	12.7	
1998	61.9	0	61.9	11	55.1	0	55.1	20	44.1	1.9	20	44.1	54.8	16	4.2	209	13.0	
1999	63.7	0	63.7	11	56.7	0	56.7	20	45.4	2.0	20	45.4	56.4	16	4.2	215	13.4	
2000	62.6	0	62.6	11	55.8	0	55.8	20	44.6	2.0	20	44.6	55.4	16	4.2	211	13.2	
2001	62.5	0	62.5	11	55.6	0	55.6	20	44.5	2.0	20	44.5	55.3	16	4.2	211	13.2	
2002	62.8	0	62.8	11	55.9	0	55.9	20	44.7	2.0	20	44.7	55.5	16	4.2	212	13.2	
2003	60.9	0	60.9	11	54.2	0	54.2	20	43.4	1.9	20	43.4	53.9	16	4.2	205	12.8	

1/ Estimated number of daily per capita calories calculated by adjusting HFCS deliveries for domestic food and beverage use for food losses.

2/ U.S. per capita HFCS estimated deliveries for domestic food and beverage use, calendar year. See table 50 of *Sugar and Sweeteners Yearbook* series.

3/ Number of daily teaspoons multiplied by calories per serving.

4/ Grams per day divided by serving weight.

Source: Economic Research Service.