List of Tables

Tables **Page**

Special article tables

Table 15--Flaxseed: Acreage planted, harvested, yield, production, and value, United States, 1987-96

Year	Planted	Harvested	Yield	Production	Value
	---1,000 acres---		Bushels per acre	1,000 bushels	$1,000
1987	470	463	16.1	7,444	25,188
1988	275	226	7.1	1,615	12,200
1989	195	163	7.5	1,215	8,724
1990	260	253	15.1	3,812	21,108
1991	356	342	18.1	6,200	21,845
1992	171	165	19.9	3,288	13,543
1993	206	191	18.2	3,480	14,467
1994	178	171	17.1	2,922	13,655
1995 1/	165	147	15.0	2,211	N.A.
1996 2/	112	106	N.A.	N.A.	N.A.

N.A. = Not avaialble.

1/ Preliminary. 2/ Forecast.

Table 16--Linseed oil, supply and disappearance, United States, 1987/88-1996/97

Year beginning June 1	Supply			Disappearance			Ending stocks
	Beginning stocks	Production	Total	Exports	Domestic	Total	
	--Million pounds--						
1987/88	51	217	268	8	219	227	41
1988/89	41	170	211	12	151	163	48
1989/90	48	165	213	12	164	176	37
1990/91	37	176	213	6	167	173	40
1991/92	40	182	222	12	170	182	40
1992/93	40	172	212	8	150	158	54
1993/94	54	176	228	3	162	165	63
1994/95	63	171	237	24	168	192	45
1995/96 1/	45	177	223	8	170	178	45
1996/97 2/	59	N.A.	59	9	159	168	59

N.A. = Not available.

1/ Preliminary. 2/ Forecast.

Table 17--Linseed meal, supply and disappearance, United States, 1987/88-1996/97

Year beginning June 1	Supply				Disappearance			Ending stocks
	Beginning stocks	Production	Imports	Total	Exports	Domestic	Total	
					--1,000 short tons--			
1987/88	2	198	2	202	59	140	199	3
1988/89	3	156	11	170	63	102	165	5
1989/90	5	153	9	167	23	139	162	5
1990/91	5	162	3	170	41	124	165	5
1991/92	5	167	0	172	40	127	167	5
1992/93	5	159	2	166	55	106	161	5
1993/94	5	160	2	167	49	113	162	5
1994/95	5	158	5	168	58	105	163	5
1995/96 1/	5	162	3	170	50	115	165	5
1996/97 2/	5	160	2	167	50	110	160	5

1/ Preliminary. 2/ Forecast.

Table 18--Industrial rapeseed, supply, disappearance, and price, United States, 1987/88-1996/97

Year beginning June 1	Supply				Disappearance				Price
	Beginning stocks	Production	Imports	Total	Exports 1/	Domestic	Total	Ending stocks	Minn-eapolis
				--Million pounds--					Cents/lb.
1987/88	2,198	21,981	0	24,179	0	23,072	23,072	1,107	10.0
1988/89	1,107	15,822	0	16,930	0	16,188	16,188	741	11.1
1989/90	741	19,143	0	19,885	0	19,003	19,003	882	10.5
1990/91	882	22,717	0	23,599	0	22,319	22,319	1,279	10.3
1991/92	1,279	16,146	0	17,425	0	17,158	17,158	267	10.1
1992/93	267	14,455	0	14,722	0	14,522	14,522	200	10.0
1993/94	200	7,442	0	7,642	0	7,592	7,592	50	10.2
1994/95	50	12,596	0	12,646	0	12,609	12,609	37	10.3
1995/96 2/	37	3,012	0	3,049	0	2,935	2,935	114	12.7
1996/97 3/	114	1,800	0	1,914	0	1,876	1,876	38	13.6

1/ Trade data do not distinguish between industrial and edible (canola) exports; therefore all exports were allocated to canola. 2/ Preliminary. 3/ Forecast.

Table 19--Industrial rapeseed oil, supply, disappearance, and price, United States, 1987/88-1996/97

Year beginning June 1	Supply				Disappearance				Price
	Beginning stocks	Production	Imports	Total	Exports 1/	Domestic	Total	Ending stocks	Minn-eapolis
	--Million pounds--								Cents/lb.
1987/88	800	6,785	17,637	25,222	0	22,699	22,699	2,522	23.6
1988/89	2,522	6,858	35,274	44,654	0	40,188	40,188	4,465	25.6
1989/90	4,465	8,184	29,407	42,057	0	37,851	37,851	4,206	27.8
1990/91	4,206	6,960	20,406	31,571	0	28,414	28,414	3,157	24.5
1991/92	3,157	5,705	8,737	17,599	0	15,839	15,839	1,760	22.6
1992/93	1,760	3,707	11,076	16,543	0	14,889	14,889	1,654	24.4
1993/94	1,654	4,140	6,581	12,375	0	11,138	11,138	1,238	29.1
1994/95	1,238	2,346	10,864	14,448	0	13,003	13,003	1,445	29.6
1995/96 2/	1,445	836	11,614	13,895	0	12,506	12,506	1,390	28.5
1996/97 3/	1,390	769	12,364	14,523	0	13,070	13,070	1,452	27.3

1/ Trade data do not distinguish between industrial and edible (canola) exports; therefore all exports were allocated to canola. 2/ Preliminary. 3/ Forecast.

Table 20--Industrial rapeseed meal, supply, disappearance, and price, United States, 1987/88-1996/97

Year beginning June 1	Supply				Disappearance				Price
	Beginning stocks	Production	Imports	Total	Exports	Domestic	Total	Ending stocks	Minn-eapolis
	--Million pounds--								Dol./ton
1987/88	300	10,624	0	10,924	0	10,711	10,711	212	152
1988/89	212	10,738	0	10,951	0	10,736	10,736	215	160
1989/90	215	12,815	0	13,030	0	12,773	12,773	256	135
1990/91	256	10,897	0	11,153	0	10,935	10,935	218	132
1991/92	218	8,933	0	9,151	0	9,017	9,017	134	137
1992/93	134	5,805	0	5,939	0	5,852	5,852	87	141
1993/94	87	6,483	0	6,570	0	6,472	6,472	97	140
1994/95	97	3,674	0	3,771	0	3,716	3,716	55	118
1995/96 1/	55	1,309	0	1,364	0	1,344	1,344	20	167
1996/97 2/	20	1,204	0	1,223	0	1,205	1,205	18	171

1/ Preliminary. 2/ Forecast.

Table 21--Total fats and oils consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
	--Million pounds--									
1988/89	19,426.7	13,542.0	5,884.7	744.5	180.3	2,079.3	202.3	115.8	2,074.1	488.4
1989/90	20,036.0	14,382.7	5,653.3	792.0	89.5	2,143.5	222.4	157.1	1,944.7	304.1
1991	20,332.1	14,613.0	5,719.1	832.9	106.8	1,974.0	182.6	101.7	2,234.7	286.4
1992	20,751.7	14,847.3	5,904.4	738.8	123.8	2,176.5	165.5	109.4	2,041.2	549.3
1993	21,590.4	15,744.7	5,845.7	748.5	125.2	2,199.5	170.2	116.0	1,897.6	588.7
1994	22,058.7	15,373.8	6,684.9	770.0	115.1	2,272.5	240.7	219.3	2,306.2	761.1
1995	21,157.4	15,056.3	6,101.1	593.8	102.8	2,340.9	210.7	141.9	1,963.6	747.4

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 22--Castor oil consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
	--Million pounds--									
1988/89	59.2	0.0	59.2	d	4.8	0.0	4.5	6.2	0.0	43.2
1989/90	51.4	0.0	51.4	d	5.9	0.0	4.0	5.7	0.0	d
1991	46.0	0.0	46.0	d	5.9	0.0	4.0	d	0.0	31.7
1992	41.3	0.0	41.3	d	d	0.0	3.3	3.5	0.0	28.4
1993	54.2	0.0	54.2	d	d	0.0	3.5	2.8	0.0	37.8
1994	61.9	0.0	61.9	d	d	0.0	1.9	2.4	0.0	41.0
1995	62.6	0.0	62.6	d	d	0.0	1.2	2.7	0.0	40.4

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 23--Coconut oil consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	688.8	211.2	477.6	130.6	1.4	d	14.6	d	121.9	206.6
1989/90	525.2	160.6	364.6	156.9	2.1	0.0	9.7	4.0	134.6	57.3
1991	815.6	153.0	662.6	158.0	d	d	2.4	d	426.7	72.8
1992	875.4	176.3	699.1	121.7	d	0.0	3.2	d	d	d
1993	936.3	218.0	718.3	132.0	d	0.0	3.1	d	d	d
1994	969.2	227.1	742.1	146.1	d	0.0	2.3	d	d	d
1995	676.1	252.2	625.9	92.3	d	0.0	2.3	0.0	d	d

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 24--Inedible tallow consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	3,086.7	0.0	3,086.7	374.9	0.0	1,925.4	0.0	70.3	680.0	36.1
1989/90	3,219.0	0.0	3,219.0	398.4	0.0	1,982.9	0.0	109.0	684.0	44.7
1991	2,949.3	0.0	2,949.3	391.5	0.0	1,748.4	0.0	59.6	700.9	48.9
1992	3,050.1	0.0	3,050.1	334.4	0.0	1,954.4	0.0	63.2	659.0	39.1
1993	3,018.2	0.0	3,018.2	299.6	0.0	1,994.7	0.0	71.5	615.1	37.3
1994	3,189.9	0.0	3,189.9	300.8	0.0	2,101.9	0.0	81.8	634.0	71.4
1995	3,222.8	0.0	3,222.8	263.9	0.0	2,166.5	0.0	89.7	656.9	45.8

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 25--Lard consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	389.9	324.5	65.4	0.0	0.0	d	0.0	d	d	d
1989/90	369.3	303.8	65.5	d	0.0	d	0.0	9.1	d	d
1991	393.1	313.8	79.3	0.0	0.0	d	0.0	5.7	d	4.1
1992	479.7	345.0	134.6	0.0	0.0	d	0.0	10.9	d	13.5
1993	473.3	324.6	149.7	0.0	0.0	d	0.0	8.6	d	28.7
1994	451.9	324.7	127.2	0.0	0.0	0.0	0.0	8.9	0.0	118.3
1995	488.7	364.3	124.4	0.0	0.0	0.0	0.0	27.2	0.0	97.2

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 26--Linseed oil consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	154.9	0.0	154.9	0.0	101.6	0.0	23.1	d	d	28.2
1989/90	110.5	0.0	110.5	0.0	30.3	d	52.5	d	d	23.8
1991	95.8	0.0	95.8	0.0	40.7	0.0	41.6	d	d	12.7
1992	154.4	0.0	154.4	0.0	69.0	0.0	31.3	d	d	d
1993	125.8	0.0	125.8	0.0	66.9	0.0	25.4	d	d	d
1994	124.3	0.0	124.3	0.0	33.0	0.0	50.9	d	d	40.4
1995	112.8	0.0	112.8	0.0	30.2	0.0	51.4	0.0	0.0	31.2

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 27--Rapeseed oil consumption, with inedible by category, United States, 1989/90-95 1/

Year 2/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 3/	Fatty acids	Other products
					--Million pounds--					
1989/90	d	265.0	d	0.0	d	d	d	d	d	d
1991	d	285.1	d	0.0	0.0	d	0.0	d	d	d
1992	d	360.5	d	0.0	0.0	d	0.0	d	d	d
1993	d	362.5	d	0.0	0.0	0.0	0.0	d	d	d
1994	d	446.3	d	0.0	0.0	0.0	0.0	d	d	d
1995	d	315.8	d	0.0	0.0	0.0	0.0	0.0	0.0	d

d = Data withheld to avoid disclosing figures for individual companies.

1/ Includes both canola and industrial rapeseed. 2/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 3/ Includes similar oils.

Source: Bureau of Census.

Table 28--Soybean oil consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	9,917.6	9,635.8	281.8	1.5	34.9	d	123.7	d	d	68.2
1989/90	10,808.3	10,536.7	271.6	d	38.2	d	112.4	d	d	52.4
1991	11,267.7	10,966.7	301.0	d	49.2	d	104.7	d	d	40.4
1992	11,471.6	11,168.7	302.8	d	43.5	22.3	94.0	5.9	d	69.8
1993	12,495.6	12,200.9	294.7	d	38.7	23.7	98.1	5.8	d	65.8
1994	12,474.1	12,157.8	316.3	d	47.6	d	119.6	d	d	91.9
1995	12,354.0	12,049.3	304.7	d	47.0	d	122.4	0.0	d	99.6

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 29--Tall oil consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	1,234.3	0.0	1,234.3	8.3	31.8	0.0	18.0	8.1	1,157.3	10.8
1989/90	1,024.7	0.0	1,024.7	8.4	7.4	0.0	21.7	7.1	969.9	10.2
1991	940.0	0.0	940.0	3.5	5.4	0.0	11.6	4.0	906.5	9.0
1992	883.5	0.0	883.5	d	d	0.0	19.4	7.0	841.8	11.4
1993	891.8	0.0	891.8	d	d	0.0	23.0	6.3	806.9	d
1994	1,362.5	0.0	1,362.5	d	d	0.0	48.4	6.1	1,025.0	d
1995	1,357.7	0.0	1,357.7	d	d	0.0	16.0	7.9	908.5	d

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 30--Tung oil consumption, with inedible by category, United States, 1988/89-95

Year 1/	Total consumption	Total edible	Total inedible	Soap	Paint or varnish	Feed	Resins and plastics	Lubricants 2/	Fatty acids	Other products
					--Million pounds--					
1988/89	7.7	0.0	7.7	0.0	3.5	0.0	1.8	0.0	0.0	2.4
1989/90	8.9	0.0	8.9	0.0	2.7	0.0	3.8	0.0	0.0	2.4
1991	6.4	0.0	6.4	0.0	d	d	2.9	0.0	0.0	1.6
1992	7.3	0.0	41.3	d	d	0.0	3.3	3.5	0.0	28.4
1993	11.2	0.0	11.2	d	1.0	0.0	8.6	0.0	0.0	1.6
1994	9.3	0.0	9.3	d	1.2	0.0	6.6	2.4	0.0	1.5
1995	20.2	0.0	20.2	0.0	d	0.0	d	0.0	0.0	12.1

d = Data withheld to avoid disclosing figures for individual companies.

1/ Crop year runs from October 1 to September 30. Annual totals reported on a calendar year basis beginning in 1991. 2/ Includes similar oils.

Source: Bureau of Census.

Table 31--Castor oil prices, raw No. 1, tanks, Brazilian, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	54.50	53.50	52.60	52.00	51.20	51.00	51.00	51.00	45.00	42.40	39.63	39.63
1991	39.30	36.00	36.75	37.00	37.00	36.50	35.50	35.00	35.00	35.40	35.00	37.50
1992	37.50	37.50	37.50	36.00	34.50	34.50	34.50	34.50	34.00	34.00	34.00	34.00
1993	34.00	32.00	32.00	32.00	37.00	37.00	37.00	37.00	38.50	44.00	44.00	44.00
1994	44.00	41.75	41.00	41.00	46.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
1995	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
1996	43.50	41.50	41.50	41.50	41.50	41.50	41.50					

Source: Chemical Marketing Reporter.

Table 32--Coconut oil prices, crude, tanks, f.o.b. New York, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	24.31	23.69	22.10	21.63	21.30	20.31	19.16	18.58	18.26	18.18	20.45	20.13
1991	20.22	20.31	20.50	19.38	19.69	21.69	26.19	25.63	25.63	28.50	31.50	32.38
1992	39.33	36.00	34.57	34.75	33.56	32.13	29.63	27.31	27.88	26.94	27.00	25.50
1993	24.94	24.33	23.65	23.25	24.13	24.95	25.35	25.61	24.44	23.88	25.62	33.06
1994	30.30	30.94	29.56	30.19	29.45	30.25	29.56	30.35	30.63	30.60	34.19	33.69
1995	32.50	32.00	31.13	31.00	30.50	35.00	37.90	35.63	35.00	36.00	37.88	33.69
1996	35.80	36.63	36.75	38.75	39.50	42.25	41.80					

Source: Chemical Marketing Reporter.

Table 33--Flaxseed, average price received by farmers, United States, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/bushel --						
1990	7.24	7.69	8.03	8.60	8.23	8.31	7.56	5.86	5.36	5.15	5.16	5.15
1991	5.12	4.80	4.90	4.66	4.33	3.98	3.91	3.69	3.55	3.40	3.31	3.46
1992	3.39	3.43	3.52	3.53	3.61	3.67	3.70	3.71	4.12	4.09	4.10	4.21
1993	4.12	4.47	4.54	4.41	4.35	4.44	4.29	3.80	4.25	4.09	4.05	4.18
1994	4.38	4.61	4.64	4.60	4.43	4.25	4.28	4.52	4.54	4.49	4.51	4.71
1995	4.76	4.94	5.15	5.10	4.93	4.25	5.10	4.52	5.11	5.20	5.13	5.03
1996	5.27	4.94	5.28	5.10	6.03	5.88	5.11					

Source: USDA, National Agricultural Statistical Service.

Table 34--Industrial rapeseed oil prices, refined, tanks, New York, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	81.75	82.25	82.25	82.25	82.25	82.25	82.25	82.25	79.75	77.25	77.25	81.00
1991	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25
1992	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	67.25	62.25	62.25	62.25
1993	62.25	62.25	62.25	62.25	55.88	53.75	53.75	53.75	53.75	53.75	53.75	53.75
1994	53.75	53.75	53.75	53.75	53.75	53.75	53.75	53.75	53.75	53.75	53.75	53.75
1995	53.75	53.75	53.75	53.75	53.15	50.75	50.75	50.75	50.75	50.75	50.75	50.75
1996	50.75	50.75	50.75	50.75	50.75	50.75	50.75					

Source: Chemical Marketing Reporter.

Table 35--Inedible tallow prices, Chicago, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	14.87	14.50	14.47	13.50	13.51	14.01	13.50	10.12	13.50	13.42	14.09	14.50
1991	14.53	12.91	13.63	13.57	12.25	12.36	12.96	14.00	13.50	13.68	13.08	12.50
1992	12.25	12.63	12.68	13.25	13.75	13.98	14.75	15.42	15.25	15.73	16.75	13.52
1993	15.36	14.69	15.24	15.94	15.00	15.11	14.95	14.58	14.54	14.68	14.50	14.94
1994	15.00	15.00	15.22	19.00	15.25	15.63	16.67	18.64	19.50	19.78	20.38	22.48
1995	21.75	18.86	18.00	17.75	17.50	17.89	19.61	19.81	19.53	19.46	19.75	20.08
1996	19.45	17.00	17.03	17.54	19.37	19.50	20.98					

Source: Grain and Feed Marketing News.

Table 36--Jojoba oil prices, 1 metric ton or more, f.o.b. Arizona, 1990-96 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/kilogram --						
1990	15.25	20.02	20.02	20.02	20.02	20.02	26.00	26.00	25.00	25.00	24.00	24.00
1991	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	21.00	15.50	15.50	15.50
1992	15.50	15.50	15.50	15.50	15.50	15.50	15.50	13.50	13.50	11.99	11.99	11.99
1993	11.99	11.99	11.99	11.99	12.00	12.00	12.00	12.00	10.02	10.02	10.02	10.02
1994	10.02	10.02	9.01	9.01	9.01	9.01	9.01	9.01	9.01	9.01	9.01	8.48
1995	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48
1996	5.30	4.00	4.00	4.00	4.00	4.00	4.00					

1/ Price quotes are the low end of a range.

Source: Chemical Marketing Reporter.

Table 37--Linseed oil prices, tanks, Minneapolis, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	40.00	40.00	41.60	42.00	42.00	43.00	44.00	40.40	39.75	36.80	36.00	36.00
1991	36.00	36.00	36.00	36.00	36.50	36.00	36.00	36.00	36.00	30.00	30.00	30.00
1992	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	32.00	32.00	32.00	32.00
1993	32.00	32.00	32.00	32.00	32.00	28.50	32.00	32.00	32.00	32.00	32.00	32.00
1994	32.00	32.00	32.00	32.00	32.00	32.00	30.31	32.00	32.00	33.50	35.00	35.00
1995	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.50	37.00	37.00	37.00	37.00
1996	37.00	37.00	37.00	37.00	37.00	37.00	37.00					

Source: Grain and Feed Marketing News.

Table 38--Linseed meal prices, bulk, 34 percent protein, Minneapolis, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/ton --						
1990	132.50	124.50	126.25	133.75	143.00	142.50	136.00	126.25	116.25	133.00	143.75	133.50
1991	131.00	131.25	120.00	121.00	126.25	134.25	133.00	131.25	116.25	128.00	113.75	127.80
1992	122.00	124.00	115.00	117.50	120.00	125.00	123.50	126.25	131.00	141.25	152.50	137.40
1993	136.70	142.50	135.40	125.50	125.00	123.20	133.75	150.00	148.75	147.50	161.80	140.00
1994	140.00	130.00	126.00	125.00	125.00	111.40	114.90	111.60	N.A.	122.50	110.00	95.60
1995	82.40	85.25	90.00	94.40	85.00	85.00	92.50	95.00	112.50	131.00	151.67	143.75
1996	142.00	143.75	155.00	174.00	176.25	178.75	174.00					

N.A. = Not available.

Source: Grain and Feed Marketing News.

Table 39--Soybean oil prices, crude, tanks, f.o.b. Decatur, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	19.28	20.27	22.80	23.35	24.72	25.03	24.69	25.05	24.45	22.59	21.05	21.55
1991	21.56	21.66	22.21	21.50	20.23	19.65	19.05	20.23	20.46	19.57	18.78	18.99
1992	18.77	18.88	19.74	19.00	20.15	20.71	18.82	17.87	18.28	18.36	20.10	20.52
1993	21.23	20.72	21.00	21.24	21.15	21.30	24.13	23.46	20.93	23.61	22.98	24.22
1994	29.91	28.85	29.03	27.94	29.48	29.43	27.20	25.02	24.87	24.73	24.75	24.75
1995	29.04	28.15	28.33	26.30	26.00	26.78	27.60	26.56	26.26	26.56	25.48	24.76
1996	23.69	23.65	23.60	25.82	26.54	23.81	24.16					

Source: The Wall Street Journal.

Table 40--Tung oil prices, imported, f.o.b. New York, 1990-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Cents/pound --						
1990	41.00	41.00	41.00	59.00	59.00	58.25	58.00	58.00	58.00	55.50	62.00	70.00
1991	70.00	63.00	61.50	63.00	63.00	61.50	61.00	61.00	61.00	61.00	61.00	70.00
1992	70.00	70.00	70.00	76.00	82.00	130.00	130.00	130.00	132.00	131.50	130.00	130.00
1993	130.00	130.00	130.00	130.00	117.00	130.00	130.00	130.00	107.50	100.00	94.75	93.00
1994	93.00	79.25	78.00	78.00	78.00	78.00	78.00	78.00	78.00	74.40	60.00	60.00
1995	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	48.00
1996	60.00	60.00	64.00	64.00	64.00	64.00	64.00					

Source: Chemical Marketing Reporter.

Table 41--Cedarwood oil prices, drums or cans, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
Chinese												
1992	N.A.	1.55	1.55	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
1993	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
1994	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
1995	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
1996	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78				
Texas												
1992	N.A.	3.20	3.20	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
1993	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
1994	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.70
1995	3.70	3.70	3.70	3.70	3.70	3.70	3.70	4.15	4.15	4.15	4.15	4.15
1996	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15				
Virginia												
1992	N.A.	5.25	5.25	5.35	5.35	5.35	5.35	5.35	5.50	5.50	5.50	5.50
1993	5.80	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1994	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1995	6.50	6.70	6.70	6.70	6.70	6.90	6.90	6.90	6.90	6.90	6.90	6.90
1996	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 42--Citronella oil prices, drums, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
Java 1/												
1992	N.A.	1.95	1.95	2.38	2.38	2.38	2.38	2.38	2.53	2.53	2.53	2.53
1993	2.53	2.53	2.53	2.53	2.53	3.10	3.10	3.10	3.10	3.60	3.80	4.00
1994	4.00	4.30	4.30	4.15	4.15	4.15	4.15	4.75	4.75	5.00	5.50	6.00
1995	6.00	7.90	8.43	8.43	8.43	8.60	8.60	7.00	6.75	6.00	6.00	6.00
1996	5.00	4.85	4.85	4.13	4.13	4.00	4.00	3.60				
Chinese												
1992	N.A.	1.90	1.90	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
1993	2.20	2.25	2.35	2.35	2.35	3.13	3.13	3.13	3.13	3.25	3.50	4.00
1994	4.00	4.20	4.20	4.05	4.05	4.05	4.05	4.40	4.40	5.00	5.40	6.10
1995	7.00	7.90	8.35	8.35	8.35	8.60	8.60	7.90	6.80	6.30	5.90	5.90
1996	5.90	5.50	5.50	4.60	4.30	4.15	4.00	3.60				

N.A. = Not available. 1/ Beginning August 1995, Sri Lanka, ordinary.

Source: Chemical Marketing Reporter.

Table 43--Eucalyptus oil prices, Chinese, 80 percent, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
1992	N.A.	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08
1993	2.88	2.88	2.88	2.88	2.88	2.63	2.63	2.63	2.63	2.63	2.63	2.63
1994	2.63	2.63	2.63	1.90	1.90	1.90	1.90	2.00	2.00	2.00	2.00	2.15
1995	2.38	2.50	2.50	2.80	3.00	3.20	3.20	3.20	2.90	2.90	2.90	2.90
1996	3.00	2.90	2.90	2.70	2.50	2.50	2.50	2.50				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 44--Grapefruit oil prices, drums, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
Florida												
1992	N.A.	5.00	5.00	5.25	5.25	5.25	5.25	5.50	4.95	4.95	4.95	4.95
1993	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1994	6.00	6.00	6.00	6.75	6.75	6.75	7.50	8.25	8.25	8.25	8.25	8.25
1995	8.25	8.25	8.25	11.25	11.25	11.25	11.25	11.25	15.75	15.75	15.75	17.00
1996	17.00	17.00	17.00	17.00	17.50	17.50	17.50	17.50				
Israeli												
1992	N.A.	4.25	4.25	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
1993	N.A.	N.A.	N.A.	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63
1994	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63
1995	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	13.50
1996	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 45--Lemon oil prices, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
Argentinean												
1992	N.A.	9.50	9.50	9.50	9.50	9.50	9.50	9.50	10.25	10.25	10.25	10.25
1993	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25
1994	10.25	11.00	11.00	11.00	11.00	11.00	11.50	11.50	11.50	11.50	11.50	12.25
1995	12.25	12.25	12.25	12.25	12.25	12.25	12.25	12.65	12.65	12.65	12.65	12.65
1996	12.65	12.65	12.65	12.65	12.65	12.65	12.65	12.65				
California, U.S. Pharmacopeia, drums												
1992	N.A.	8.93	8.93	8.93	8.93	8.93	10.50	10.50	10.50	10.50	10.50	10.50
1993	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	9.50
1994	9.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
1995	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	9.00
1996	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00				
Italian												
1992	N.A.	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
1993	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
1994	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
1995	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	15.00
1996	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 46--Lime oil prices, distilled, Mexican, drums, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
1992	N.A.	9.75	9.75	9.75	9.75	9.75	9.75	9.75	10.25	10.25	10.25	10.25
1993	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25
1994	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.75	10.75	10.75	10.75	10.75
1995	10.75	10.75	10.75	10.75	10.75	10.75	12.00	13.50	13.50	13.50	13.50	13.50
1996	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 47--d-Limonene prices, drums, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
1992	N.A.	0.70	0.70	0.73	0.73	0.73	0.73	0.78	0.78	0.78	0.78	0.78
1993	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
1994	0.78	0.78	0.78	0.83	0.83	0.83	0.83	0.83	0.83	1.05	2.00	2.00
1995	2.00	2.00	2.35	2.35	3.00	3.00	3.00	2.50	2.50	2.50	2.50	2.35
1996	2.10	1.80	1.80	1.50	1.40	1.30	1.25	0.95				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 48--Menthol prices, natural, Chinese, drums, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
1992	N.A.	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58
1993	6.35	5.68	5.68	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.00	5.00
1994	5.00	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	9.50	11.50	12.00
1995	12.00	12.50	11.00	9.75	9.75	9.00	9.00	9.00	9.80	10.63	12.00	12.00
1996	12.00	12.00	12.75	13.00	13.00	13.00	13.00	15.50				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 49--Orange oil prices, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
California, distilled, cans, f.o.b. plant												
1992	N.A.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
1993	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
1994	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	2.00	2.00
1995	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.88
1996	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88				
Florida, drums 1/												
1992	N.A.	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
1993	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
1994	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.10	2.00	2.00
1995	2.00	2.25	2.50	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
1996	2.38	2.13	2.13	1.85	1.70	1.70	1.80	1.05				
Brazilian 2/												
1992	N.A.	0.80	0.80	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
1993	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
1994	0.75	0.75	0.75	0.78	0.78	0.78	0.78	0.78	0.78	1.10	2.00	2.00
1995	2.00	2.40	2.40	2.55	2.70	2.70	2.70	2.43	2.63	2.63	2.63	2.63
1996	2.25	2.00	2.00	1.60	1.45	1.45	1.40	1.10				

N.A. = Not available.

1/ Florida, midseason, drums beginning in February 1994. 2/ Pera Brazil, drums, f.o.b. plant beginning in February 1994.

Source: Chemical Marketing Reporter.

Table 50--Peppermint oil prices, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
Midwest U.S.												
1992	N.A.	18.00	14.50	14.50	14.50	14.50	14.50	14.50	13.35	13.35	13.35	13.35
1993	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.50	13.50	13.50
1994	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
1995	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
1996	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50				
Yakima U.S.												
1992	N.A.	15.00	13.50	13.50	13.50	13.50	13.50	13.50	12.30	12.30	12.30	12.30
1993	12.30	12.30	12.30	12.30	12.30	12.30	12.30	12.30	12.30	15.00	15.00	15.00
1994	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
1995	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
1996	13.00	13.00	13.00	13.00	13.00	12.50	15.00	15.00				
Yakima U.S.												
1992	N.A.	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
1993	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	10.00	10.00	10.00	10.00
1994	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
1995	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
1996	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 51--Spearmint oil prices, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-- Dollars/pound --						
Far West, native												
1992	N.A.	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
1993	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	11.00	11.00	11.00
1994	11.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
1995	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
1996	13.70	13.70	13.70	14.70	14.70	14.70	14.70	14.70				
Far West, Scotch												
1992	N.A.	20.00	16.00	15.00	15.00	15.00	15.00	13.00	14.40	14.40	14.40	14.40
1993	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	12.50	12.50	12.50
1994	12.50	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
1995	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
1996	16.50	16.50	16.50	19.00	19.00	19.00	19.00	19.00				
Chinese, 80 percent												
1992	N.A.	27.50	27.50	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40
1993	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
1994	7.50	7.50	7.50	7.50	7.50	5.75	5.75	5.75	5.75	5.75	5.50	6.00
1995	6.00	6.70	6.70	6.70	7.00	7.00	7.00	7.50	8.50	8.50	9.25	9.25
1996	9.25	9.25	9.25	9.25	9.25	9.25	10.15	11.60				

N.A. = Not available.

Source: Chemical Marketing Reporter.

Table 52--Selected prices for biobased chemicals and derivatives, 1990-96 1/

Item	Unit	Average annual price 2/						
		1990	1991	1992	1993	1994	1995	1996 3/
Starches, sugars, and gums								
Arabic gum, National Formulary, powdered, barrels	Dollars/pound	1.85	1.85	2.67	3.44	4.00	4.00	1.38
Denatured alcohol, ethyl (ethanol), CD18, CD19, tanks, delivered east	Dollars/gallon	2.11	2.08	2.02	2.02	2.26	2.46	2.67
Dextrin, corn, canary dark, paper bags, carload, works	Cents/pound	32.00	32.00	32.00	32.00	32.00	32.00	32.00
Dextrose, hydrated, commercial, bags, carload, delivered New York	Cents/pound	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Furfural, tanks, f.o.b. plant	Cents/pound	77.33	79.00	79.00	79.00	79.00	79.00	79.00
Guar gum, industrial, high viscosity, bags, carload, f.o.b. shipping point	Cents/pound	35.00	35.00	35.00	35.00	39.92	53.33	70.00
Karaya gum, No. 1, powdered, drums	Dollars/pound	3.31	3.25	3.25	3.25	3.25	3.25	3.25
Locust bean gum, powdered, bags	Dollars/pound	4.75	4.75	4.75	4.63	4.71	10.00	16.00
Pectin, high methoxyl	Dollars/pound	3.30	3.30	4.03	4.75	4.75	4.67	4.50
Sorbitol, U.S. Pharmacopeia, regular, 70-percent aqueous, drums, carload, f.o.b. shipping point	Cents/pound	40.17	33.29	33.00	33.00	33.00	33.00	27.38
Sucrose acetate isobutyrate, 90-percent, drums, truckload, delivered	Dollars/pound	1.33	1.33	1.33	1.33	1.33	1.33	1.33
Sucrose octa-acetate, denaturing grade, 100-pound drums, f.o.b. works	Dollars/kilogram	12.50	12.50	12.50	12.50	12.50	12.50	12.50
Tragacanth gum, No. 1, ribbons, 100-pound drums	Dollars/pound	36.00	36.00	36.00	36.83	41.00	41.00	41.00
Xanthan gum, food grade, 100-pound drums, f.o.b. works	Dollars/pound	5.65	5.65	5.65	5.74	6.20	6.20	6.20
Fats, oils, and waxes								
Beeswax, refined, bleached, white bricks, 100-pound cartons	Dollars/pound	3.10	3.10	3.12	3.35	3.33	3.31	3.28
Butyl stearate, technical, tanks, f.o.b. works	Cents/pound	55.00	55.00	55.00	54.75	54.00	54.00	54.00
Capryl alcohol, secondary, 98-percent, tanks, f.o.b. works	Cents/pound	43.00	48.00	48.00	48.00	66.33	68.00	68.00
Caprylic acid, commercial, pure, tanks	Cents/pound	78.33	83.00	90.92	102.00	102.00	102.00	102.00
Carnauba wax, Parnahyba, No. 1, yellow, bags, ton lots	Dollars/pound	2.50	2.88	3.23	3.50	3.50	4.88	4.25
Glycerine, natural, refined, U.S. Pharmacopeia, 99.7-percent, tanks, delivered	Cents/pound	75.92	64.00	56.63	64.08	100.75	108.00	103.63
Lecithin, unbleached, bulk, less carload, works	Cents/pound	35.00	29.00	28.00	25.75	25.00	25.00	25.00
Magnesium lauryl sulfate, tanks, f.o.b.	Cents/pound	43.00	43.00	43.00	47.75	57.25	57.25	57.25
Magnesium stearate, bulk	Dollars/pound	1.16	1.16	1.16	1.20	1.20	1.20	1.20
Menhaden oil, bulk, Gulf ports	Cents/pound	10.94	13.13	15.83	16.54	16.50	16.50	16.50
Myristic acid, commercial, pure, bags, truckload	Dollars/pound	0.79	0.67	1.10	1.25	1.17	1.15	1.15
Oleic acid, double distilled (white), tanks	Cents/pound	54.00	54.00	54.00	60.42	61.00	61.00	61.00
Sebacic acid, chemically pure, bags, carload, works	Dollars/pound	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Sodium lauryl sulfate, 30-percent, drums, truckload, f.o.b. works	Cents/pound	43.00	43.00	43.00	47.75	57.25	57.25	57.25
Tallow fatty acids, technical, tanks, delivered	Cents/pound	29.00	24.88	23.50	23.50	23.50	23.50	23.50
Animal products								
Casein, acid precipitated, ground, 30-mesh, edible, imported, truckload, c.i.f.	Dollars/pound	2.50	2.50	2.52	2.55	2.55	2.55	2.55
Gelatin, edible, 100 AOAC test, drums, less truckload, delivered	Dollars/pound	1.50	1.54	1.68	1.70	1.70	1.70	1.81
Glue, bone, extracted, green, 85 jellygrams, bags, carload	Cents/pound	95.00	95.00	94.00	89.00	89.00	89.00	89.00
Lanolin, anhydrous, pharmaceutical, 400-pound drums, works	Dollars/pound	1.01	1.00	1.25	1.25	1.25	1.25	1.25
Forest products								
a-Pinene prices, technical grade	Cents/pound	43.00	43.00	43.00	52.00	60.00	60.00	60.00
b-Pinene 4/	Cents/pound	55.00	55.00	55.00	4/	114.00	114.00	135.75
Cellulose acetate, powdered, bags, truckload, delivered east	Dollars/pound	1.58	1.62	1.94	2.12	2.12	2.12	2.12
Tall oil, crude, Southeast, tanks, freight equaled	Dollars/ton	135.42	159.17	150.83	119.17	121.25	156.67	157.50
Turpentine prices, crude sulfate, tanks, f.o.b. Southeast	Dollars/gallon	1.75	1.36	0.88	0.68	0.50	0.63	1.0625

See next page for footnotes and definitions.

1/ Spot and/or list prices from the Chemical Marketing Reporter for selected chemicals and related materials on a New York or other indicated basis. These prices do not represent bid, asked, or actual transaction prices. Variations from these prices may occur for differences in quantity, quality, and location. 2/ Some prices are from the low end of range. 3/ January to August. 4/ Price changed from technical grade to 97 percent perfume and flavor grade in October 1993.

Chemical definitions:

Arabic gum is a dried, water-soluble exudate from the stems of *Acacia senegal* and related species that is used in pharmaceuticals, adhesives, inks, textile printing, cosmetics, and confectionery and food products.
Denatured ethyl alcohol is made by yeast fermentation of carbohydrates or by hydrolysis of ethylene for solvents, cosmetics, and as an oxygenated gasoline additive.
Dextrin is obtained by heating acidified dry starch for adhesives and paper products.
Dextrose is obtained from cornstarch hydrolysis for use in foods and as a fermentation substrate.
Furfural is obtained by steam distillation of acidified plant materials for polymers and foundry binders.
Guar gum is a water-dispersible hydrocolloid from the seeds of the guar plant that is used in foods and industrial applications such as oil-well fracturing fluids.
Karaya gum is a hydrophilic polysaccharide from Indian trees of the genus *Sterculia* for use in pharmaceuticals, textile coatings, ice cream and other food products, and adhesives.
Locust bean gum is a polysaccharide plant mucilage from seeds of *Ceratonia siliqua* used in cosmetics, textiles sizings and finishes, and drilling fluids, and in foods as a stabilizer, thickener, and emulsifier.
Pectin is obtained from citrus fruit rinds for use in jellies, foods, cosmetics, and drugs.
Sorbitol is obtained by hydrogenation of glucose for foods, cosmetics, and polyester polymers.
Sucrose acetate isobutyrate is made by controlled esterification of sucrose with acetic and isobutyric anhydrides for hot-melt coating formulations and extrudable plastics.
Sucrose octa-acetate is used as a plasticizer for cellulose esters and plastics, and in adhesive and coating compounds.
Tragacanth gum is polysaccharides from *Astragalus* bushes for use in pharmaceutical emulsions, adhesives, leather dressing, textile printing and sizing, dyes, and printing inks.
Xanthan gum is a synthetic, water-soluble polymer made by fermentation of carbohydrates for use in drilling fluids, ore floatation, foods, and pharmaceuticals.
Beeswax is a byproduct of honey production used for cosmetics and candles.
Butyl stearate is obtained by alcoholysis of stearin or esterification of stearic acid with butanol for use in polishes, special lubricants, and coatings and as a plasticizer and emollient in cosmetics and pharmaceuticals.
Capryl alcohol is obtained by distilling sodium ricinoleate, a castor oil derivative, with an excess of sodium hydroxide for solvents, plasticizers, wetting agents, and petroleum additives.
Caprylic acid is a fatty acid obtained from coconut oil for use in synthesizing dyes, drugs, perfumes, antiseptics, and fungicides.
Carnauba wax is a hard commercial wax obtained from leaves of *Copernica cerifera* for shoe, furniture, and floor polishes; leather finishes; varnishes; electric-insulating compounds; and carbon paper.
Glycerine is a byproduct of splitting or saponification of fats and oils, or made by petrochemical synthesis for cosmetics, food, drugs, and polyurethane polymers.
Lecithin is a byproduct of soy oil extraction used as an emulsifying agent and antioxidant in foods.
Magnesium lauryl sulfate is a surfactant derived from fatty acids for use in plastics, plasticizers, textile applications, and consumer end-product manufacturing.
Magnesium stearate is a surfactant made from tropical oil fatty acids and inorganic materials for use in lubricant, adhesive, and detergent manufacturing.
Menhaden oil is obtained from menhaden fish for soaps, rubber compounding, printing inks, animal feed, and leather-dressing lubricants.
Myristic acid is obtained by fractional distillation of coconut and other vegetable oils for soaps, cosmetics, and synthesis of
esters for flavors and perfumes.
Oleic acid is obtained by fractional crystallization from mixed fatty acids for candles, soaps, and synthesis of other surfactants.
Sebacic acid is made by high-temperature cleavage of castor oil for use as an intermediate chemical in the manufacture of polymers and plasticizers.
Sodium lauryl sulfate is synthesized from fatty acids for use in toothpaste and as a food additive and wetting agent for textiles.
Tallow fatty acids are made from splitting tallow for direct use as lubricants or in greases, and for separation into pure fatty acids.
Casein is a coagulated and dried milk protein for adhesives and plastics.
Gelatin is water extracted from bones and hides for photographic emulsions and food.
Glue (bone) is obtained by steam treatment and water extraction of bones for glue and mineral flotation processes.
Lanolin is extracted from wool for cosmetics, leather dressing, and lubricants.
a-Pinene and *b-Pinene* are chemical intermediates fractionated from turpentine that are converted to pine oil (a-Pinene), terpene resins (b-Pinene), and specialty chemicals.
Cellulose acetate is made by reacting cellulose from wood with acetic acid for rayon textiles and cigarette filters.
Tall oil (crude) is a byproduct of paper production (chemical pulping) that is refined into rosin and fatty acids.
Turpentine (crude sulfate) is obtained by steam distillation of pine gum recovered from pulping softwoods (for paper production), which is used for a- and b-pinene.

Table 53--U.S. imports of nonwood fibers, yarns, twine, and cordage, 1991-96

	Unit	1991	1992	1993	1994	1995	Jan-May 1996
Flax, raw or processed, not spun	Metric tons	55,046	48,166	47,030	55,059	66,092	31,283
Jute, raw or processed, not spun	Metric tons	5,468	6,246	7,326	7,026	5,876	2,003
Flax yarn	Kilograms	413,301	690,248	888,656	1,113,918	1,185,977	316,446
Jute yarn	Kilograms	7,489,781	5,380,531	5,046,250	4,312,393	7,888,502	212,718
Abaca, twine, and cordage	Kilograms	6,111,529	5,623,279	6,930,999	7,652,898	6,268,102	2,158,617
Jute, twine, and cordage	Kilograms	1,998,699	6,623,013	7,606,930	15,403,623	11,957,283	2,135,074
Sisal, twine, and cordage	Kilograms	76,371,329	73,056,843	71,595,465	78,704,800	84,234,676	36,813,048

Source: Department of Commerce, Bureau of the Census.

Table 54--U.S. exports of nonwood fibers, yarns, twine, and cordage, 1991-96

Item	Unit	1991	1992	1993	1994	1995	Jan-May 1996
Flax, raw or processed, not spun	Metric tons	559	3,687	121	92	302	79
Jute, raw or processed, not spun	Metric tons	3,135	1,534	1,202	2,353	2,554	701
Flax yarn	Kilograms	123,132	209,218	363,084	112,330	44,078	63,942
Jute yarn	Kilograms	604,414	591,864	575,383	236,225	101,924	42,837
Jute, twine, and cordage	Kilograms	200,323	305,873	297,794	462,136	530,599	238,585
Sisal, twine, and cordage	Kilograms	1,250,597	1,366,504	1,150,473	519,285	928,515	465,565

Source: Department of Commerce, Bureau of the Census.

Table 55--U.S. imports of selected vegetable oils, 1991-96

Item	Unit	1991	1992	1993	1994	1995	Jan-May 1996
Castor oil, crude and refined	Metric tons	34,523	34,018	42,214	44,094	44,093	25,480
Coconut oil, crude and refined	Metric tons	390,994	501,466	443,496	441,332	490,650	199,360
Linseed oil, crude and refined	Metric tons	94	351	159	426	1,729	864
Jojoba oil and its fractions	Metric tons	384	235	142	198	332	59
Tung oil and its fractions	Metric tons	5,645	4,995	4,272	5,404	4,427	2,673

Source: Department of Commerce, Bureau of the Census.

Table 56--U.S. exports of selected vegetable oils, 1991-96

Item	Unit	1991	1992	1993	1994	1995	Jan-May 1996
Coconut oil, crude and refined	Metric tons	21,131	9,448	6,364	8,494	9,089	1,896
Linseed oil, crude and refined	Metric tons	4,469	3,940	3,804	5,402	15,422	3,176
Jojoba oil and its fractions	Metric tons	327	209	351	287	151	56
Tung oil and its fractions	Metric tons	500	329	297	176	516	712

Source: Department of Commerce, Bureau of the Census.

Table 57--U.S. imports of paper and pulp products, 1991-96

Item	Unit	1991	1992	1993	1994	1995	Jan-May 1996
Chemical woodpulp	Metric tons	4,085,883	4,145,682	4,435,134	4,629,028	4,948,096	1,941,156
Semichemical woodpulp	Metric tons	163,516	175,290	245,046	226,845	199,541	92,887
Mechanical woodpulp	Metric tons	126,570	107,983	145,804	199,878	160,854	42,483
Cotton linters pulp	Metric tons	1	20	10	20	206	51
Other cellulosic fiber pulps	Thou. metric tons	10,735	9,360	7,377	15,791	20,203	4,571
Newsprint	Metric tons	6,794,898	6,658,426	7,061,513	7,149,976	7,076,698	2,678,562
Writing paper with less than 10 percent mechanical pulp	Kilograms	215,221,877	248,618,324	275,800,767	190,676,102	228,337,000	69,427,904
Straw paper and paperboard	Kilograms	833	678	9,756	528,865	161	N.A.
Corrugated paper and paperboard	Kilograms	4,067,556	4,551,194	2,724,891	19,236,125	20,021,749	9,807,877

N.A. = Not available.

Source: Department of Commerce, Bureau of the Census.

Table 58--U.S. exports of paper and pulp products, 1991-96

Item	Unit	1991	1992	1993	1994	1995	Jan-May 1996
Chemical woodpulp	Metric tons	5,003,677	5,734,372	5,213,541	5,388,110	6,570,279	2,371,564
Semichemical woodpulp	Metric tons	15,291	19,578	24,885	24,450	54,013	58,931
Mechanical woodpulp	Metric tons	30,313	71,180	69,094	67,342	133,277	29,763
Cotton linters pulp	Metric tons	67,591	74,717	70,140	84,611	82,798	33,602
Other cellulosic fiber pulps	Metric tons	30,854	30,477	42,947	12,049	28,660	4,994
Writing paper with less than 10 percent mechanical pulp	Kilograms	48,753,346	74,413,780	69,953,501	116,852,248	65,107,143	41,386,095
Straw paper and paperboard	Kilograms	256,011	284,247	98,652	557,401	375,841	755,831
Corrugated paper and paperboard	Kilograms	55,948,853	48,058,868	43,613,552	41,433,989	56,858,304	29,411,101

Source: Department of Commerce, Bureau of the Census.