



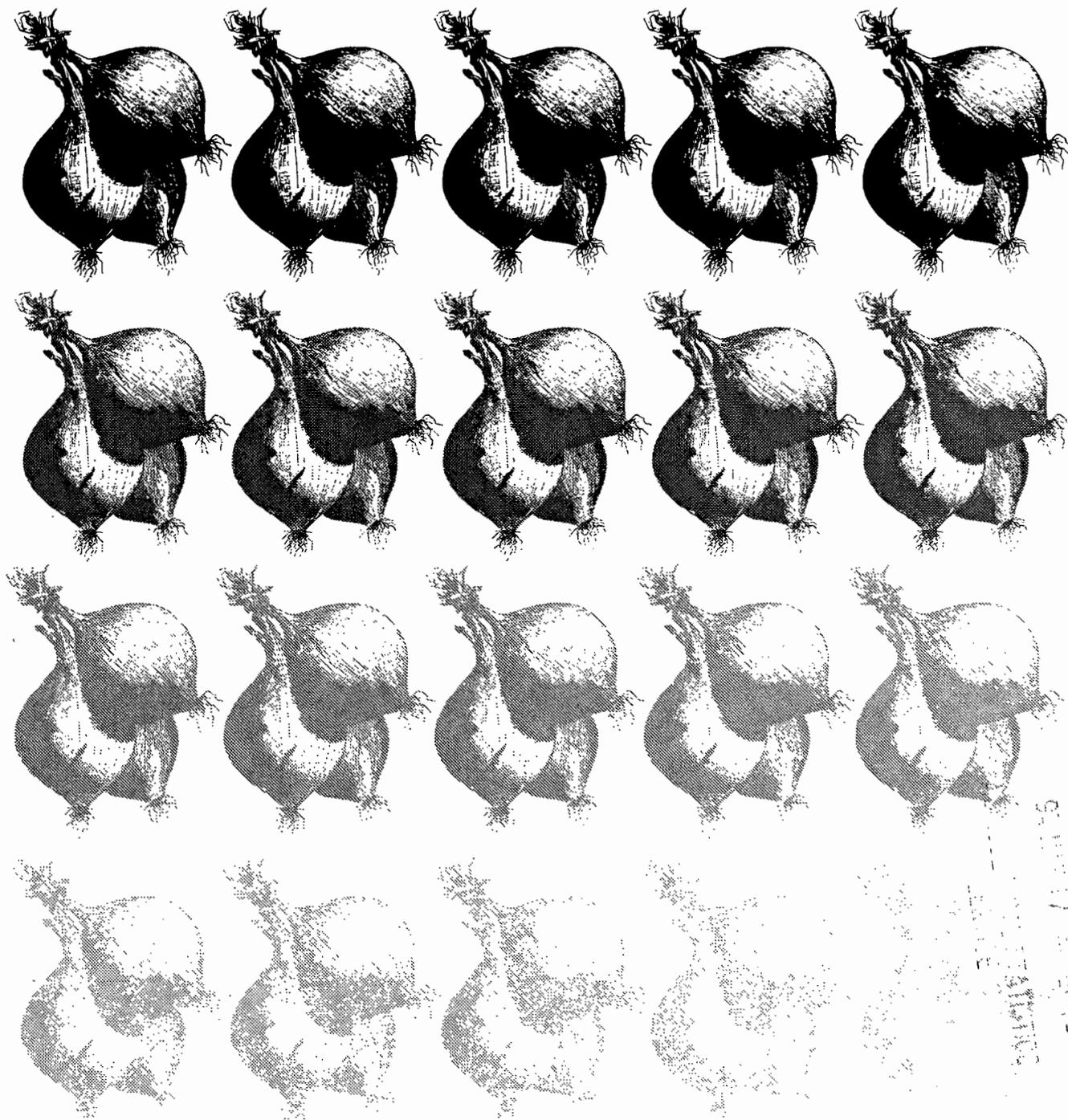
United States
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Economic
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Statistical
Bulletin
Number 880

U.S. Onion Statistics, 1960-93

John M. Love



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Abstract

U.S. annual per capita use of onions increased 50 percent during the last 20 years. To meet the domestic demand and population growth, as well as export demand, U.S. producers doubled production. Western States increased their share of total production. Grower and retail onion prices fluctuated widely due to changes in shortrun supply; however, during the last 15 years grower prices have remained relatively high. The quantity of U.S. onion imports has increased faster than exports during the last 20 years, but the balance of trade in value terms was about equal during the early 1990's. This bulletin provides detailed statistics on onions for the United States and the world for 1960-93. Statistics on U.S. area, yield, production, and value are presented by State. World onion area, production, and trade are presented by country. Other statistics refer to domestic shipments, arrivals in selected U.S. cities, wholesale and retail prices, price spreads, and chemical fertilizer and pesticide applications.

Acknowledgments

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U.S. Onion Statistics, 1960-93

by John M. Love

Introduction

Demand for onions has increased over the last 20 years, and U.S. growers have responded by doubling production. Total U.S. production reached 57 million cwt¹ in 1993, compared with 28 million cwt in 1972. Demand for onions rose from about 12 pounds per person during 1970-73 to about 18 pounds during 1990-93. The demand for onions includes onions going for raw consumption at retail, foodservice, and institutional outlets. It also includes demand from canners, freezers, soupmakers, and fried-onion-ring makers. Dehydrated onions come mostly from the California summer crop. U.S. per capita consumption of dehydrated onions fluctuates from 1 to 2 pounds per year.

The value of U.S. onion production reached \$785 million in 1993, nearly five times greater than in 1972. As demand for onions increased, annual average prices remained high, going from \$5.91 a cwt in 1972 to \$13.87 in 1993. Monthly prices vary widely during the year as gaps in supply develop, especially during the spring.

The United States imported about 7 percent of its onion supply in the early 1990's, up from about 2 percent 20 years earlier. The United States exported about 8 percent of domestic production in the early 1990's, up from 5 percent 20 years earlier.

This bulletin provides detailed statistics on onions for the the United States and the top onion-producing States for 1960-93. Data on acreage, yield, production, and value are presented by State. World onion acreage, production, and trade are presented by country. Statistics are also given on domestic shipments, arrivals in selected U.S. cities, wholesale and retail prices, price spreads, and chemical fertilizer and pesticide applications.

Production and Supply

The onion, *Allium cepa*, is a bulbous, biennial plant of the lily family. Onions are grown in temperate climates and require specific day lengths for bulbing. For flowering, which produces seed, a specified period of cold treatment is required. The part usually eaten is the base part of the leaves, harvested in the first year. Because of the daylength requirement, onion varieties are restricted to narrow bands of latitude. Onion varieties bred in southern latitudes, for example, do not produce well in northern latitudes.

Onions, which are available year round, are harvested from three crops: the spring crop, summer nonstorage, and summer storage. Spring onions are harvested from March to July, beginning in Texas and moving northward to Georgia, Arizona, and California. Summer nonstorage onions appear during May to September, beginning in Texas and moving as far north as Washington. Spring and summer nonstorage onions are

¹Hundredweight (100 pounds) typically refers to production. Refer to glossary for other specialized terms.

considered sweeter and milder than storage onions, but can be put away for only several weeks. Storage onions harvested in the northern States around August and September can be kept in "common storage," meaning without the aid of refrigeration, for up to 6 months.

The summer storage crop amounted to about 30 million cwt during the early 1990's, 55 percent of the annual total. Summer storage output has doubled since the early 1970's, while the spring and summer nonstorage crops increased by half. California's summer crop, which goes mainly for dehydration, has also doubled over the last 20 years. The higher growth in production of storage onions and processing onions is likely related to increased demand for foodservice and institutional uses.

Utilization

Onions may be eaten raw in salads or with meats, or they may be used in soups, dehydrated, frozen for combination with other foods, or frozen as fried rings. About 80 percent of California's summer crop is used by dehydrators. Freezers produced about 80 million pounds of frozen onions in the early 1990's, while breaded-onion makers produced about 225 million pounds. Exports accounted for about 7 percent of U.S. supply, while losses due to shrink and waste were usually about 10 percent.

On a per capita basis, U.S. demand for onions (excluding dehydrated) amounted to about 16 pounds per person in the early 1990's. Per capita demand has shifted upward since the late 1970's, when it amounted to about 11 pounds. During the 1980's and early 1990's, real grower prices--corrected for inflation--remained high in relation to the increased per capita supply.

Prices and Demand

Prices received by growers for onions fluctuate widely year to year and month to month, due to changes in supply and demand. Supply depends on weather and overlapping harvests, quantities in storage, and imports. Generally, onions just after harvest or early in the season are priced higher than onions out of storage or late in the "deal." Competition among regions develops over onion quality and availability. For example, as the supply of storage onions is depleted during late-winter months, grower prices typically increase. Usually, by April, competition with suppliers from southern States and Mexico moderates the price fluctuation.

Demand depends on U.S. consumer purchases at retail and foodservice establishments, including restaurants and institutions, and exports. Retail price, directly reflecting only foodstore demand, follows grower price with a 1- to 2-month lag. However, retail price indirectly reflects current and expected demand from foodservice and export sources. Grower price reflects total demand, which exhibits inelastic characteristics. Inelastic demand is marked by widely fluctuating prices due to the lack of suitable substitutes. Generally, a 1-percent change in the U.S. supply will produce a 10- to 15-percent change in grower price.

The difference in price received by growers and by retailers averaged 29 cents a pound during the early 1990's. This marketing spread, although tripled since the early 1970's, remained about 67 percent of the retail price during the last 20 years.

Trade

The United States exports onions as fresh, canned, dried, seeds, and sets. Total export value averaged \$132 million during 1991 to 1993. Fresh and dried onion exports averaged about \$56 million each during this period. Canada was the largest market for U.S. fresh onions, followed by Japan. Dried onions were exported to many countries, but Canada, Japan, West Germany, and the United Kingdom were the largest markets.

The United States imports onions as fresh, canned, dried, seeds, sets, and pearl. Total import value averaged \$115 million during 1991 to 1993. Fresh onion imports averaged about \$105 million during this period. Mexico was the largest foreign source of fresh onions, averaging \$91 million.

Glossary

Cash receipts: Refers to calendar year sales; differs from **value of production** by the time of marketing. Onions which are stored and sold in the next year count in that year's cash receipts. Value of production is assigned to the year of harvest.

Dehydrated onions: Onions with water removed by drying for preservation by processor.

Dehydrating onions: Dry onions intended for dehydration. Usually contain higher soluble solids than onions intended for fresh consumption.

Dried onions: Dehydrated onions.

Dry onions: Dry bulb onions. Bulb onions are usually dug and left to dry in the field several weeks before harvest.

F.o.b.: Freight on board refers to price at shipping point.

Marketing spread: Difference in price for the same product at shipping point and retail.

Pack: Refers to quantity manufactured of processed product.

Pearl onions: Onions less than 16 millimeters (0.63 inches) in diameter.

Seeds: A product of onion flowers, used to establish a planting.

Sets: Vegetative onions (not seeds) used to establish a planting.

A Note on Trade and Production Data Sources

The U.S. Department of Commerce is the principal source of U.S. trade data. However, the U.N. Food and Agriculture Organization (FAO) also publishes trade data for the United States and other countries. The Economic Research Service adjusted the trade data for the 1978-89 U.S. export totals, prepared by the U.S. Department of Commerce, by substituting Canadian imports for U.S. exports to Canada. After 1989, the U.S. Department of Commerce reported Canadian imports of U.S. onions in the U.S. export total. The U.N. FAO data are reported as published by them and not adjusted in any way. Also, the FAO statistics for area and production of onions were not adjusted.

Figure 1

U.S. onion area harvested

1,000 acres

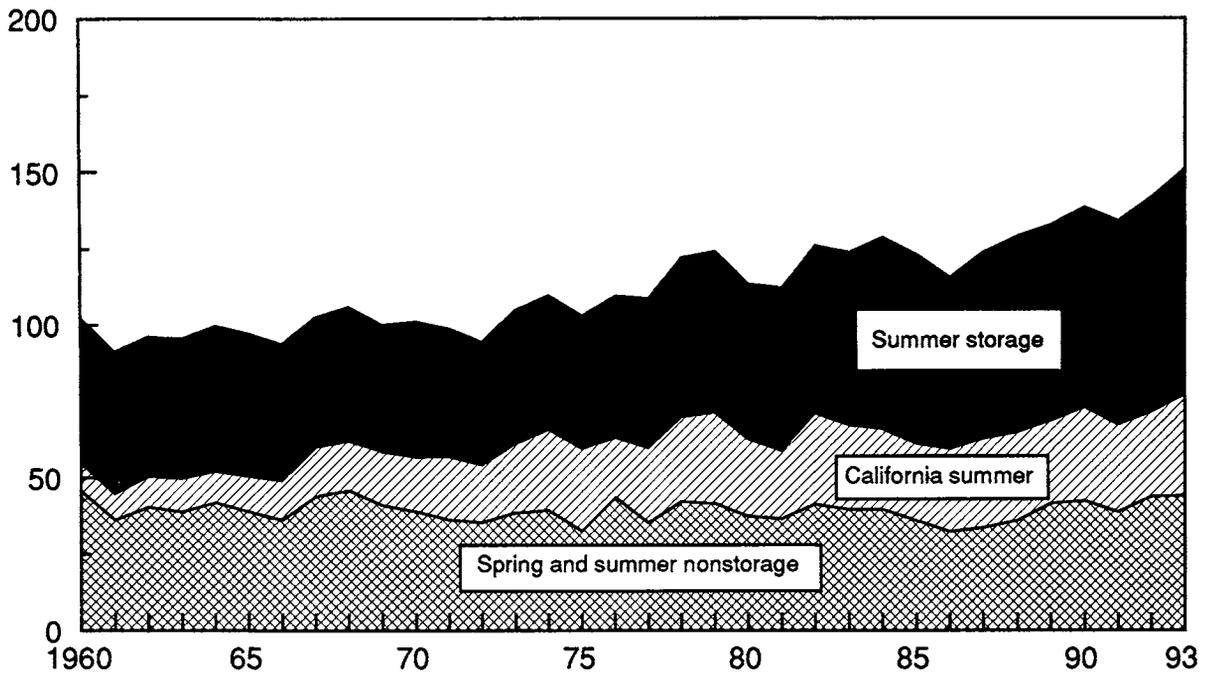


Figure 2

U.S. onion production

Million cwt

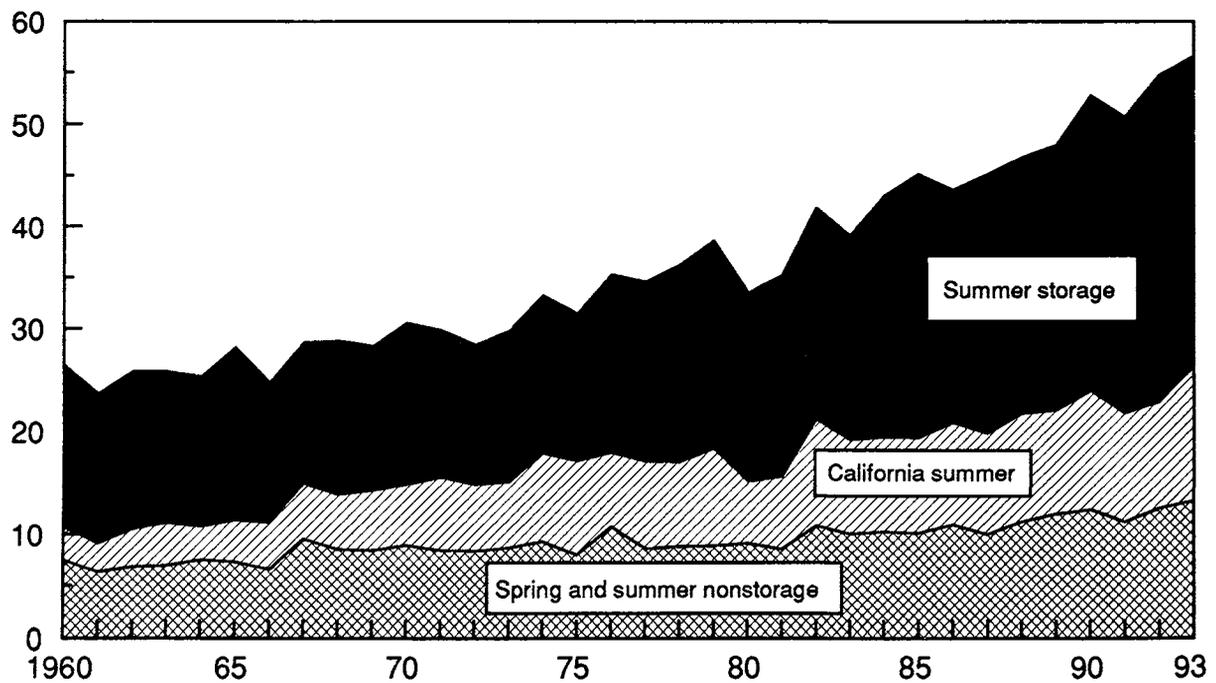


Figure 3

U.S. onion yield

Cwt/acre

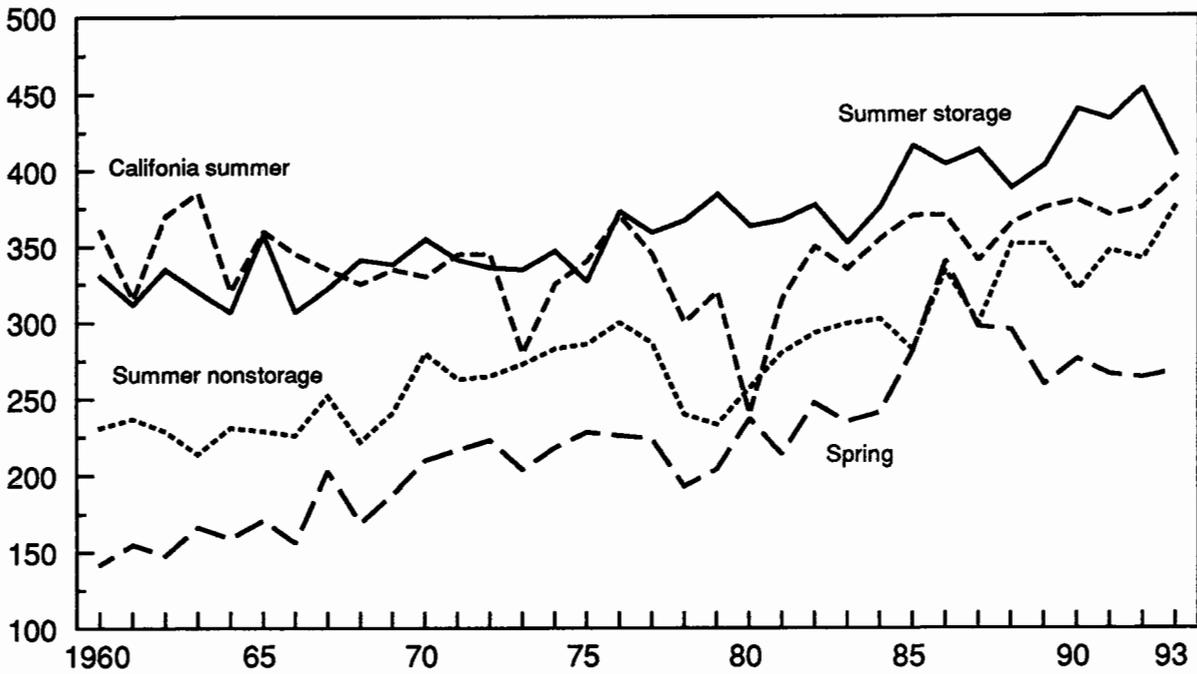


Figure 4

U.S. onion grower price

\$/cwt

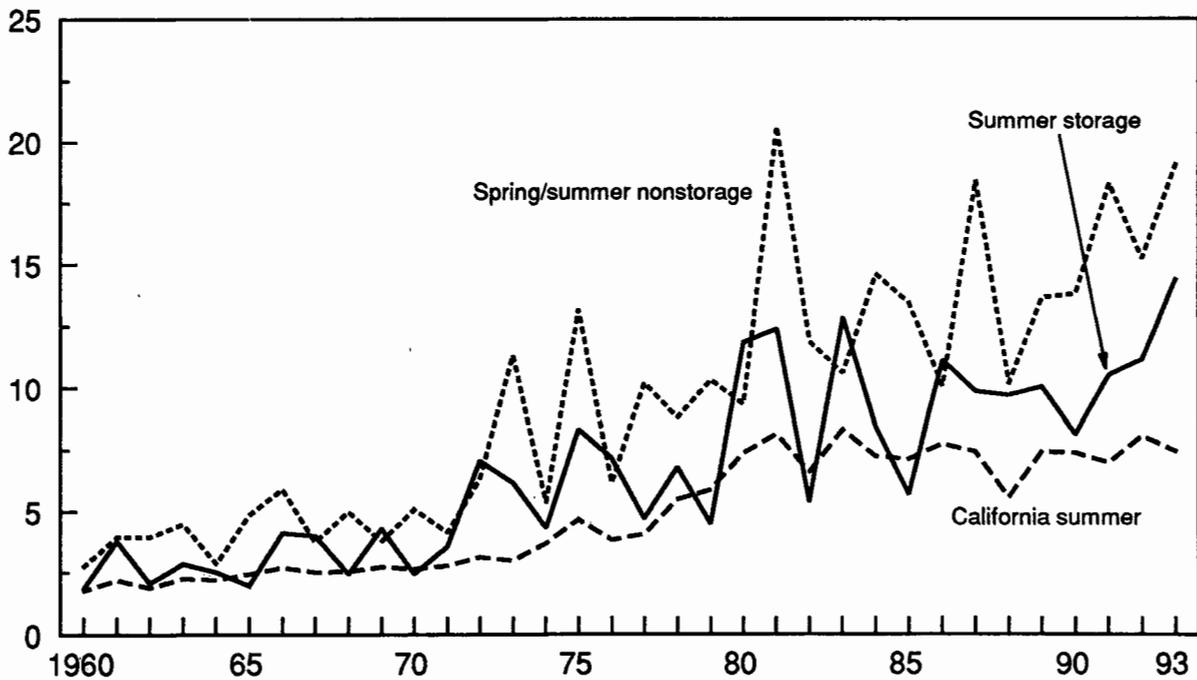


Figure 5

U.S. onion trade

Million lbs.

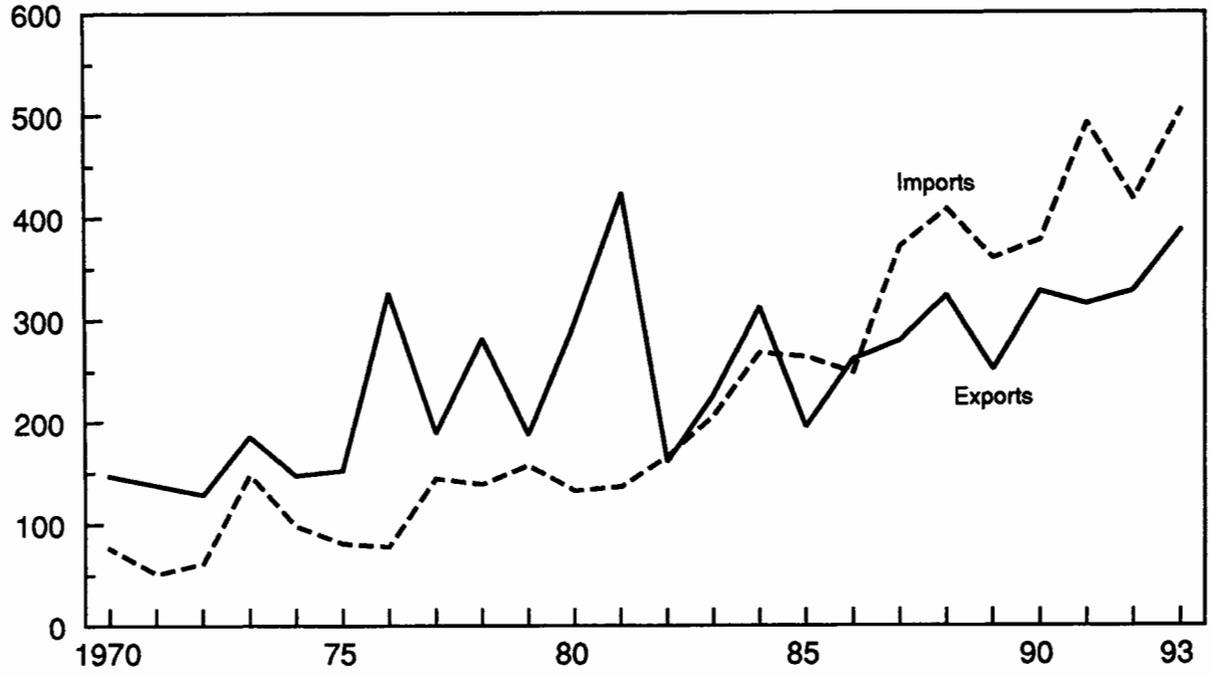


Figure 6

Onions: U.S. per capita consumption

Pounds

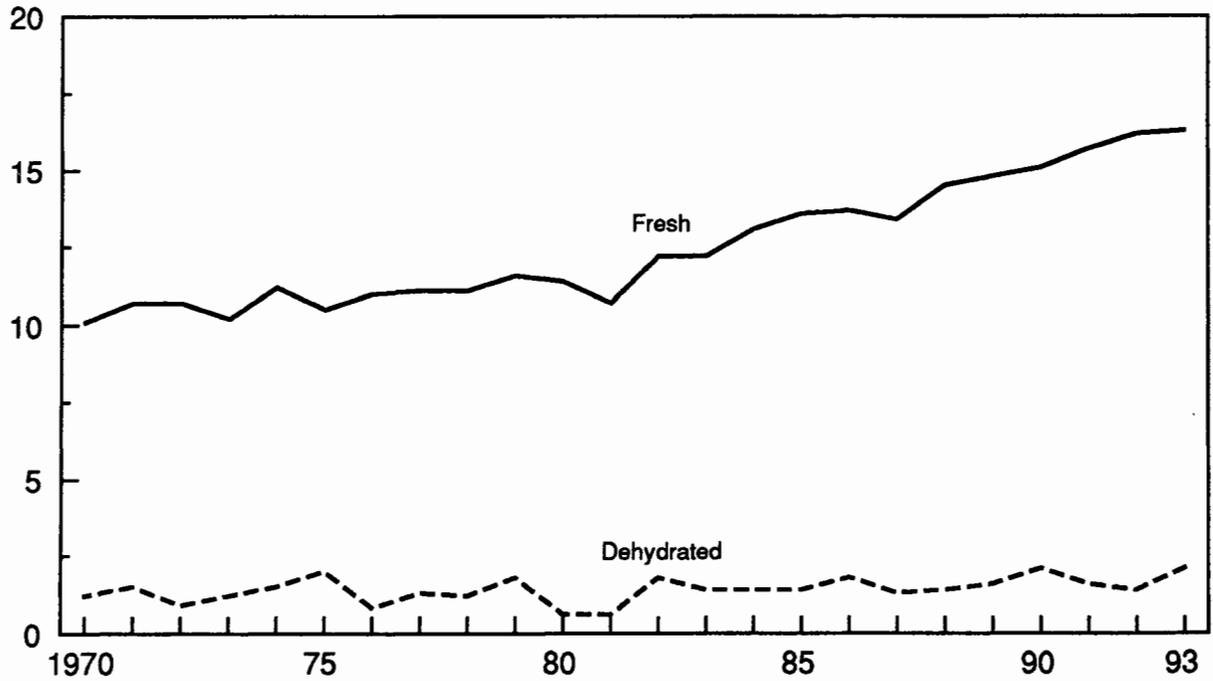


Figure 7

Onion, fresh: U.S. imports, 1993

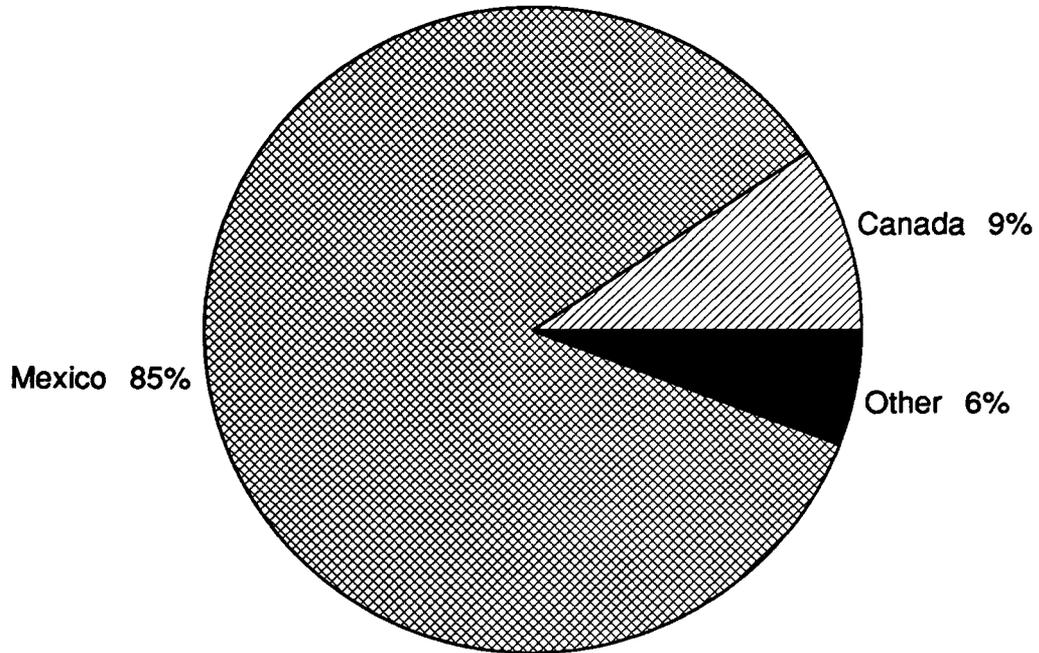


Figure 8

Onion, fresh: U.S. exports, 1993

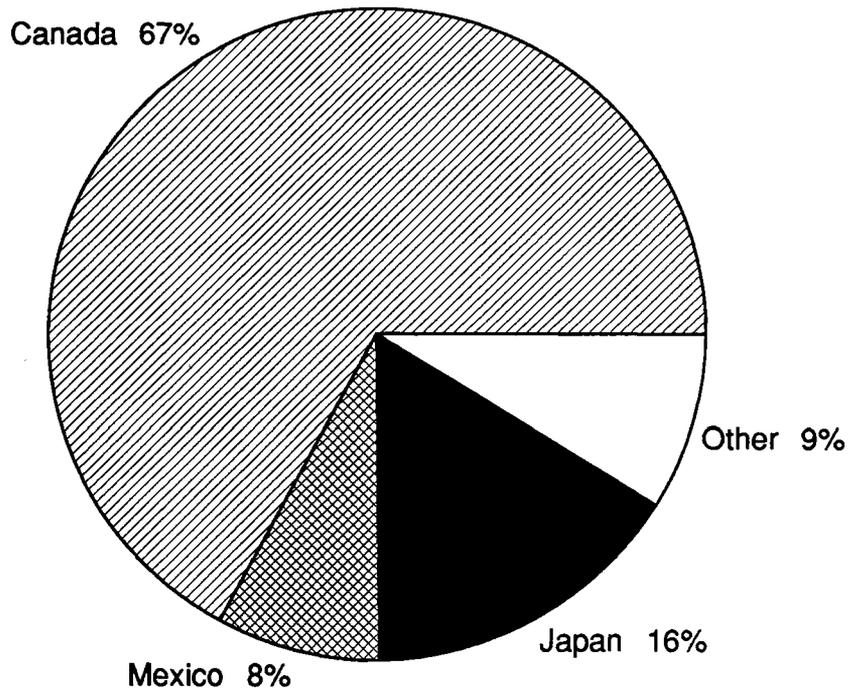


Table 1--U.S. onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	111,420	102,580	258	26,457	2.13	56,367
1961	97,110	91,340	258	23,600	3.66	86,365
1962	102,720	96,330	268	25,789	2.55	65,794
1963	99,510	95,650	270	25,781	3.19	82,197
1964	105,820	99,660	254	25,267	2.59	65,412
1965	102,570	97,170	289	28,078	2.78	77,945
1966	102,730	93,780	264	24,723	4.34	107,201
1967	108,960	102,680	278	28,579	3.64	104,113
1968	114,630	105,920	272	28,769	3.21	92,390
1969	107,400	100,000	282	28,234	3.81	107,450
1970	106,630	101,000	302	30,493	3.24	98,752
1971	102,780	98,800	302	29,803	3.53	105,330
1972	98,800	94,470	300	28,355	5.91	167,715
1973	108,270	104,990	283	29,689	6.98	207,226
1974	113,250	109,730	302	33,151	4.44	147,182
1975	106,960	103,080	305	31,418	8.47	266,230
1976	113,830	109,520	322	35,288	6.16	217,202
1977	112,900	108,550	319	34,583	5.91	204,314
1978	129,000	121,920	297	36,174	6.95	251,495
1979	129,710	123,910	312	38,602	6.15	237,432
1980	116,850	113,160	296	33,526	10.35	347,054
1981	114,460	112,030	314	35,155	13.52	475,470
1982	130,080	125,920	332	41,861	7.35	307,501
1983	128,110	123,640	317	39,166	11.22	439,297
1984	132,930	128,450	335	43,068	9.64	415,196
1985	127,100	122,760	367	45,059	7.71	347,328
1986	124,300	115,540	377	43,615	10.07	439,239
1987	129,820	123,720	365	45,113	11.20	505,163
1988	134,290	128,950	362	46,733	8.86	413,996
1989	137,830	132,660	361	47,902	10.37	496,971
1990	142,900	138,340	382	52,781	9.26	488,786
1991	140,790	133,970	378	50,702	11.49	582,556
1992	148,700	141,730	386	54,731	11.49	629,019
1993	157,500	150,980	375	56,596	13.87	785,079

Source: National Agricultural Statistics Service, USDA.

Table 2--U.S. spring onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	39,950	35,050	142	4,989	2.58	12,892
1961	30,050	27,050	155	4,206	3.49	14,667
1962	33,950	30,650	148	4,525	4.21	19,058
1963	30,600	29,000	166	4,810	4.29	20,635
1964	34,900	31,600	159	5,025	2.71	13,640
1965	30,800	28,800	171	4,939	4.68	23,136
1966	29,800	23,000	156	3,590	6.26	22,458
1967	32,900	31,900	203	6,462	3.70	23,918
1968	36,300	30,800	169	5,214	5.43	28,320
1969	33,700	28,900	188	5,447	3.47	18,878
1970	30,300	28,800	210	6,052	5.13	31,052
1971	26,300	25,300	217	5,498	3.88	21,354
1972	25,700	24,700	223	5,501	5.31	29,207
1973	27,500	26,500	204	5,400	13.60	73,430
1974	28,900	28,400	218	6,199	4.81	29,832
1975	24,000	23,000	228	5,248	11.60	60,898
1976	33,200	31,700	226	7,172	6.20	44,450
1977	24,900	24,000	224	5,372	10.91	58,618
1978	33,300	29,400	193	5,673	8.41	47,686
1979	31,700	29,100	204	5,944	9.45	56,154
1980	25,500	24,800	237	5,875	9.04	53,117
1981	25,600	25,100	214	5,372	22.24	119,458
1982	29,400	29,000	247	7,173	11.53	82,721
1983	28,500	28,200	235	6,622	10.76	71,240
1984	30,700	28,600	241	6,887	15.36	105,795
1985	27,000	26,000	281	7,304	13.05	95,308
1986	24,000	21,000	340	7,146	9.84	70,296
1987	23,300	22,000	297	6,533	21.05	137,533
1988	24,200	23,700	295	6,985	10.63	74,227
1989	29,800	28,500	259	7,386	12.24	90,400
1990	29,300	27,700	276	7,657	16.04	122,854
1991	30,000	26,700	266	7,093	19.11	135,558
1992	35,000	31,200	264	8,229	16.70	137,403
1993	33,000	30,600	268	8,193	22.78	186,636

Source: National Agricultural Statistics Service, USDA.

Table 3--U.S. summer nonstorage onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	11,950	10,700	231	2,475	3.12	7,725
1961	9,740	9,140	237	2,165	4.85	10,500
1962	10,050	9,850	229	2,258	3.46	7,812
1963	10,150	9,950	214	2,133	4.90	10,449
1964	10,700	10,400	231	2,403	3.15	7,566
1965	10,500	10,200	229	2,331	5.17	12,052
1966	13,750	13,150	226	2,972	5.47	16,251
1967	15,600	12,200	252	3,080	3.82	11,776
1968	15,850	15,000	222	3,330	4.27	14,204
1969	13,000	12,100	241	2,917	4.31	12,575
1970	12,400	10,250	280	2,872	4.91	14,092
1971	11,800	10,950	263	2,875	4.65	13,363
1972	11,200	10,750	265	2,846	8.14	23,166
1973	12,600	11,950	273	3,265	7.56	24,672
1974	11,450	10,900	283	3,089	6.42	19,819
1975	10,050	9,450	286	2,704	16.26	43,975
1976	12,600	11,850	300	3,553	5.97	21,218
1977	11,700	11,250	287	3,231	8.99	29,053
1978	13,900	12,800	240	3,074	9.38	28,849
1979	13,310	12,340	233	2,873	12.13	34,860
1980	13,600	12,560	257	3,227	9.84	31,766
1981	11,650	11,250	280	3,154	17.81	56,167
1982	12,800	12,250	293	3,592	12.58	45,205
1983	12,100	11,300	299	3,383	10.26	34,721
1984	11,700	11,100	302	3,357	13.04	43,779
1985	10,800	9,900	282	2,796	14.46	40,422
1986	12,600	11,300	334	3,776	10.42	39,329
1987	13,200	11,500	299	3,437	13.36	45,921
1988	13,700	12,100	351	4,253	9.43	40,110
1989	13,400	13,000	351	4,565	15.94	72,777
1990	15,600	14,700	321	4,725	10.19	48,147
1991	12,900	12,000	347	4,168	16.83	70,164
1992	13,300	12,700	341	4,330	12.51	54,174
1993	13,900	13,400	376	5,036	12.95	65,196

Source: National Agricultural Statistics Service, USDA.

Table 4--U.S. summer storage onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	50,200	47,610	330	15,699	1.90	29,836
1961	48,530	46,360	312	14,477	3.80	55,020
1962	48,710	45,820	335	15,327	2.08	31,837
1963	47,870	45,810	320	14,671	2.84	41,652
1964	49,940	47,380	307	14,563	2.53	36,901
1965	49,780	46,680	358	16,694	1.96	32,682
1966	46,010	44,460	307	13,629	4.12	56,211
1967	44,370	42,500	322	13,667	4.01	54,812
1968	46,120	43,770	341	14,922	2.44	36,358
1969	43,100	41,400	338	13,974	4.29	59,992
1970	46,130	44,150	355	15,695	2.43	38,176
1971	43,980	41,850	341	14,288	3.56	50,917
1972	43,200	40,320	336	13,556	7.03	95,358
1973	45,370	43,740	335	14,640	6.16	90,112
1974	46,500	44,030	347	15,283	4.31	65,929
1975	45,910	43,630	327	14,286	8.30	118,610
1976	48,530	46,470	373	17,348	7.15	124,010
1977	51,800	48,800	359	17,527	4.70	82,423
1978	54,300	52,220	367	19,177	6.77	129,815
1979	54,700	52,770	384	20,281	4.47	90,749
1980	52,750	50,800	363	18,424	11.84	218,050
1981	54,910	53,380	367	19,604	12.39	242,876
1982	57,280	54,970	377	20,701	5.36	111,002
1983	59,110	56,740	352	19,982	12.87	257,259
1984	64,530	62,750	376	23,594	8.43	198,950
1985	64,300	61,860	416	25,709	5.67	145,709
1986	60,800	56,340	404	22,740	11.12	252,849
1987	64,320	61,220	413	25,283	9.84	248,869
1988	67,590	64,350	388	24,983	9.67	241,466
1989	67,630	64,160	403	25,826	10.03	258,927
1990	67,500	65,440	440	28,809	8.08	232,718
1991	69,290	66,670	433	28,859	10.51	303,324
1992	72,900	70,330	453	31,859	11.13	354,496
1993	77,600	73,980	410	30,332	14.39	436,355

Source: National Agricultural Statistics Service, USDA.

Table 5--Arizona onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	2,100	2,000	300	600	1.84	1,101
1961	1,700	1,700	280	476	3.69	1,757
1962	2,000	2,000	270	540	3.83	2,070
1963	1,400	1,400	450	630	4.50	2,835
1964	1,600	1,600	275	440	2.61	1,148
1965	1,500	1,500	475	712	5.50	3,916
1966	1,900	1,900	365	694	4.19	2,907
1967	2,800	2,800	370	1,036	3.04	3,153
1968	3,100	3,100	320	992	3.36	3,338
1969	2,200	2,000	375	750	3.16	2,372
1970	2,400	2,400	360	864	4.30	3,712
1971	1,500	1,500	380	570	3.27	1,864
1972	1,500	1,500	430	645	4.88	3,147
1973	1,600	1,600	480	768	8.84	6,792
1974	2,000	2,000	410	820	3.91	3,208
1975	1,400	1,400	490	686	9.23	6,332
1976	1,800	1,800	400	720	4.75	3,420
1977	1,400	1,400	440	616	7.54	4,644
1978	2,100	1,800	410	738	5.11	3,772
1979	1,600	1,600	335	536	8.99	4,816
1980	1,400	1,400	445	623	9.43	5,874
1981	1,100	1,100	465	512	17.00	8,704
1982	1,700	1,700	515	876	7.88	6,899
1983	1,700	1,600	410	656	8.06	5,287
1984	2,400	2,300	350	805	9.15	7,366
1985	1,200	1,200	470	564	9.55	5,386
1986	1,200	1,200	550	660	8.78	5,795
1987	1,300	1,300	450	585	20.50	11,993
1988	1,200	1,200	375	450	7.55	3,398
1989	1,100	1,100	405	446	8.56	3,816
1990	1,000	1,000	475	475	10.54	5,006
1991	900	900	490	441	8.61	3,797
1992	1,300	1,200	375	450	9.82	4,418
1993	1,400	1,300	485	631	16.39	10,342

Source: National Agricultural Statistics Service, USDA.

Table 6--California spring onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		<i>Cwt/acre</i>	<i>1,000 cwt</i>	<i>\$/cwt</i>	<i>\$1,000</i>
1960	5,000	4,900	295	1,446	2.10	3,038
1961	4,100	4,100	260	1,066	3.35	3,571
1962	4,100	4,100	280	1,148	3.40	3,903
1963	3,400	3,400	325	1,105	4.55	5,028
1964	3,800	3,800	280	1,064	2.60	2,766
1965	3,600	3,600	330	1,188	6.00	7,128
1966	4,300	4,300	310	1,333	5.90	7,865
1967	5,600	5,600	285	1,596	3.30	5,267
1968	6,000	6,000	290	1,740	4.60	8,004
1969	6,500	5,900	280	1,652	4.04	6,674
1970	6,400	6,400	295	1,888	4.27	8,062
1971	5,800	5,800	260	1,508	3.93	5,926
1972	5,700	5,700	330	1,881	6.21	11,681
1973	5,400	5,400	280	1,512	9.94	15,029
1974	5,400	5,400	335	1,809	4.84	8,756
1975	4,600	4,600	345	1,587	11.70	18,568
1976	6,400	5,900	280	1,652	4.73	7,814
1977	5,700	5,700	345	1,967	8.44	16,601
1978	5,400	5,300	300	1,590	7.57	12,036
1979	5,600	5,600	340	1,904	10.40	19,802
1980	5,100	5,100	330	1,683	9.77	16,443
1981	6,000	6,000	360	2,160	18.90	40,824
1982	7,900	7,900	355	2,805	10.10	28,331
1983	7,600	7,600	285	2,166	10.80	23,393
1984	7,700	7,700	355	2,734	12.00	32,808
1985	7,800	7,800	450	3,510	14.30	50,193
1986	7,800	7,800	370	2,886	10.20	29,437
1987	8,200	8,200	390	3,198	17.50	55,965
1988	8,500	8,500	390	3,315	9.71	32,189
1989	7,700	7,700	400	3,080	11.30	34,804
1990	8,500	8,500	420	3,570	11.10	39,627
1991	9,000	8,000	395	3,160	18.00	56,880
1992	10,000	9,000	400	3,600	11.80	42,480
1993	8,500	7,500	440	3,300	18.00	59,400

Source: National Agricultural Statistics Service, USDA.

Table 7--California summer onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--				Cwt/acre	1,000 cwt
1960	9,200	9,100	360	3,276	1.77	5,805
1961	8,700	8,700	315	2,740	2.21	6,069
1962	9,900	9,900	370	3,663	1.90	6,945
1963	10,800	10,800	385	4,158	2.26	9,382
1964	10,200	10,200	320	3,264	2.20	7,194
1965	11,400	11,400	360	4,104	2.43	9,987
1966	13,100	13,100	345	4,520	2.69	12,158
1967	16,000	16,000	335	5,360	2.52	13,514
1968	16,300	16,300	325	5,298	2.54	13,448
1969	17,600	17,600	335	5,896	2.71	16,005
1970	17,800	17,800	330	5,874	2.63	15,432
1971	20,700	20,700	345	7,142	2.76	19,696
1972	18,700	18,700	345	6,452	3.10	19,984
1973	22,800	22,800	280	6,384	2.98	19,012
1974	26,400	26,400	325	8,580	3.68	31,602
1975	27,000	27,000	340	9,180	4.66	42,747
1976	19,500	19,500	370	7,215	3.81	27,524
1977	24,500	24,500	345	8,453	4.05	34,220
1978	27,500	27,500	300	8,250	5.47	45,145
1979	30,000	29,700	320	9,504	5.86	55,669
1980	25,000	25,000	240	6,000	7.35	44,121
1981	22,300	22,300	315	7,025	8.11	56,969
1982	30,600	29,700	350	10,395	6.60	68,573
1983	28,400	27,400	335	9,179	8.29	76,077
1984	26,000	26,000	355	9,230	7.22	66,672
1985	25,000	25,000	370	9,250	7.12	65,889
1986	26,900	26,900	370	9,953	7.71	76,765
1987	29,000	29,000	340	9,860	7.39	72,840
1988	28,800	28,800	365	10,512	5.54	58,193
1989	27,000	27,000	375	10,125	7.39	74,867
1990	30,500	30,500	380	11,590	7.34	85,067
1991	28,600	28,600	370	10,582	6.95	73,510
1992	27,500	27,500	375	10,313	8.04	82,946
1993	33,000	33,000	395	13,035	7.43	96,892

Source: National Agricultural Statistics Service, USDA.

Table 8--Colorado onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	9,600	8,700	290	2,523	1.76	4,428
1961	9,600	8,800	270	2,376	2.85	6,776
1962	9,300	8,400	295	2,478	2.01	4,990
1963	7,000	6,300	260	1,638	3.30	5,412
1964	7,300	6,800	300	2,040	2.60	5,301
1965	7,300	6,500	275	1,788	2.05	3,658
1966	6,500	6,100	250	1,525	3.76	5,733
1967	6,300	6,000	275	1,650	3.44	5,676
1968	6,500	6,100	290	1,769	2.96	5,244
1969	6,000	5,500	320	1,760	3.83	6,734
1970	6,000	5,800	295	1,711	3.12	5,341
1971	5,300	5,000	295	1,475	3.69	5,447
1972	5,400	5,100	335	1,709	6.74	11,513
1973	5,200	4,800	290	1,392	6.38	8,878
1974	5,500	5,100	290	1,479	4.42	6,532
1975	5,700	5,300	310	1,643	9.04	14,850
1976	6,400	5,900	370	2,183	6.92	15,114
1977	7,500	6,800	300	2,040	4.31	8,793
1978	8,200	7,800	350	2,730	6.72	18,359
1979	8,200	7,800	325	2,535	4.12	10,434
1980	8,700	8,200	300	2,460	10.06	24,759
1981	9,200	9,000	325	2,925	13.28	38,858
1982	10,000	9,300	350	3,255	6.51	21,174
1983	11,600	10,400	330	3,432	11.39	39,084
1984	12,800	12,200	380	4,636	10.25	47,526
1985	13,100	12,600	425	5,355	5.82	31,146
1986	11,800	10,800	425	4,590	10.62	48,750
1987	13,300	12,500	375	4,688	9.60	45,000
1988	13,800	13,500	410	5,535	10.09	55,830
1989	14,000	13,800	400	5,520	10.58	58,385
1990	13,800	13,500	380	5,130	8.33	42,735
1991	13,500	12,700	390	4,953	10.54	52,204
1992	14,500	14,000	390	5,460	10.58	57,771
1993	16,000	15,500	370	5,735	15.41	88,360

Source: National Agricultural Statistics Service, USDA.

Table 9--Georgia onions: Area, yield, production, and value, 1960-93 .

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	450	450	100	45	2.89	130
1961	350	350	94	33	4.79	158
1962	300	300	150	45	5.11	230
1963	350	350	120	42	3.90	164
1964	550	550	200	110	3.15	346
1965	*	*	*	*	*	*
1966	*	*	*	*	*	*
1967	*	*	*	*	*	*
1968	*	*	*	*	*	*
1969	*	*	*	*	*	*
1970	*	*	*	*	*	*
1971	*	*	*	*	*	*
1972	*	*	*	*	*	*
1973	*	*	*	*	*	*
1974	*	*	*	*	*	*
1975	*	*	*	*	*	*
1976	*	*	*	*	*	*
1977	*	*	*	*	*	*
1978	*	*	*	*	*	*
1979	*	*	*	*	*	*
1980	*	*	*	*	*	*
1981	*	*	*	*	*	*
1982	*	*	*	*	*	*
1983	*	*	*	*	*	*
1984	*	*	*	*	*	*
1985	*	*	*	*	*	*
1986	*	*	*	*	*	*
1987	*	*	*	*	*	*
1988	*	*	*	*	*	*
1989	4,800	4,700	135	635	27.20	17,272
1990	5,700	5,600	195	1,092	32.40	35,381
1991	7,000	6,000	110	660	31.50	20,790
1992	8,200	7,700	180	1,386	25.40	35,204
1993	8,700	8,300	180	1,494	29.70	44,372

* = Estimate not published.

Source: National Agricultural Statistics Service, USDA.

Table 10--Hawaii onions: Area, yield, production, and value, 1960-68

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	120	120	150	18	6.06	109
1961	90	90	133	12	9.08	109
1962	110	110	145	16	8.88	142
1963	90	90	100	9	8.78	79
1964	80	80	150	12	9.25	111
1965	90	90	111	10	8.80	88
1966	70	70	171	12	10.25	123
1967	90	80	125	10	9.30	93
1968 1/	60	50	100	5	12.00	60

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 11--Iowa onions: Area, yield, production, and value, 1960-68

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	500	490	231	113	1.73	195
1961	430	430	221	95	3.28	312
1962	440	390	164	64	1.73	111
1963	410	410	195	80	2.66	213
1964	400	400	220	88	2.47	217
1965	380	380	271	103	1.99	205
1966	360	360	211	76	4.24	322
1967	320	300	240	72	4.31	310
1968 1/	320	320	216	69	2.17	150

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 12--Idaho-Malheur County, Oregon onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	5,300	5,000	440	2,198	2.05	4,516
1961	5,100	4,900	430	2,105	3.98	8,371
1962	5,200	5,100	456	2,328	1.51	3,507
1963	5,400	5,200	486	2,528	3.03	7,663
1964	6,100	5,900	457	2,695	2.54	6,846
1965	6,900	6,600	530	3,498	1.85	6,466
1966	7,300	7,000	500	3,502	4.18	14,647
1967	7,400	7,100	410	2,913	4.49	13,079
1968	9,100	8,800	493	4,342	1.96	8,504
1969	8,300	8,100	471	3,818	4.26	16,247
1970	9,600	9,000	455	4,093	2.33	9,525
1971	9,300	9,100	470	4,281	3.70	15,824
1972	9,400	9,200	523	4,809	6.04	29,028
1973	10,700	10,500	508	5,331	6.05	32,230
1974	10,200	9,900	460	4,554	3.99	18,153
1975	10,200	10,000	450	4,500	7.55	33,990
1976	11,500	11,300	550	6,215	5.80	36,034
1977	12,400	11,900	480	5,712	3.92	22,399
1978	12,600	12,300	475	5,843	7.62	44,537
1979	11,800	11,700	510	5,967	3.65	21,765
1980	11,000	10,800	545	5,887	12.11	71,268
1981	11,600	11,400	525	5,985	13.26	79,341
1982	12,500	12,200	505	6,162	4.88	30,101
1983	13,600	13,300	505	6,717	13.28	89,210
1984	15,700	15,500	505	7,828	8.99	70,380
1985	17,000	16,400	550	9,020	4.46	40,197
1986	15,700	15,500	530	8,215	10.19	83,720
1987	17,100	16,900	600	10,140	8.15	82,600
1988	18,000	17,700	530	9,381	9.10	85,344
1989	17,600	17,200	540	9,288	9.82	91,178
1990	18,000	17,600	585	10,296	7.71	79,397
1991	19,500	19,000	610	11,590	9.75	113,008
1992	19,500	19,200	610	11,712	11.17	130,839
1993	20,500	19,700	540	10,638	13.14	139,834

Source: National Agricultural Statistics Service, USDA.

Table 13--Illinois onions: Area, yield, production, and value, 1960-68

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	750	750	155	116	2.60	302
1961	750	750	135	101	3.40	343
1962	700	700	146	102	2.60	265
1963	700	700	134	94	3.40	320
1964	700	700	146	102	3.10	316
1965	700	700	130	91	3.15	287
1966	600	600	135	81	4.65	377
1967	500	500	160	80	3.75	300
1968 1/	500	500	164	82	3.24	266

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 14--Indiana onions: Area, yield, production, and value, 1960-75

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	1,100	1,000	320	320	2.13	681
1961	1,000	900	300	270	4.06	1,096
1962	850	750	340	255	2.23	568
1963	850	750	349	262	3.05	800
1964	1,100	850	249	212	2.76	585
1965	1,000	950	420	399	1.58	630
1966	1,000	900	250	225	4.15	934
1967	900	800	350	280	4.26	1,194
1968	1,000	900	310	279	2.81	784
1969	1,100	1,100	300	330	5.27	1,740
1970	1,100	1,000	325	325	2.77	901
1971	1,100	1,000	310	310	3.42	1,060
1972	1,000	900	290	261	7.77	2,029
1973	1,100	1,000	300	300	5.95	1,785
1974	1,000	900	260	234	4.04	946
1975 1/	600	600	280	168	7.51	1,262

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 15--Kansas onions: Area, yield, production, and value, 1960-64

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	300	250	200	50	2.86	143
1961	100	80	163	13	2.15	28
1962	230	200	250	50	2.16	108
1963	130	110	164	18	4.22	76
1964 1/	160	140	200	28	3.79	106

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 16--Massachusetts onions: Area, yield, production, and value, 1960-64

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	220	220	241	53	2.02	107
1961	190	190	242	46	3.13	144
1962	180	180	167	30	2.50	75
1963	180	180	222	40	3.38	135
1964 1/	130	130	208	27	3.33	90

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 17--Michigan onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	7,900	7,600	350	2,660	1.97	5,236
1961	7,800	7,600	330	2,508	4.14	10,387
1962	8,100	7,700	335	2,580	2.37	6,110
1963	8,500	8,300	325	2,698	2.77	7,485
1964	9,200	8,800	275	2,420	2.37	5,746
1965	9,000	8,300	340	2,822	1.59	4,485
1966	8,200	7,900	290	2,291	4.11	9,413
1967	7,500	7,000	320	2,240	3.76	8,418
1968	7,400	6,800	320	2,176	2.63	5,720
1969	6,700	6,400	305	1,952	4.47	8,719
1970	7,200	6,900	320	2,208	2.19	4,828
1971	6,800	6,200	270	1,674	3.84	6,420
1972	6,700	6,400	335	2,144	8.07	17,305
1973	6,800	6,600	310	2,046	6.51	13,320
1974	7,200	6,900	310	2,139	4.48	9,585
1975	7,300	6,800	260	1,768	7.00	12,372
1976	7,600	7,400	305	2,257	8.54	19,270
1977	8,100	7,700	295	2,272	5.05	11,466
1978	8,200	7,900	340	2,686	4.83	12,983
1979	8,000	7,900	340	2,686	3.91	10,506
1980	7,700	7,400	250	1,850	10.27	18,995
1981	7,900	7,700	335	2,580	8.90	22,973
1982	8,200	8,000	320	2,560	5.06	12,941
1983	8,400	8,300	310	2,573	11.80	30,373
1984	8,600	8,500	345	2,933	5.76	16,898
1985	8,400	7,800	325	2,535	5.59	14,164
1986	8,000	5,700	290	1,653	9.07	14,989
1987	8,000	7,600	250	1,900	9.95	18,898
1988	8,500	8,000	250	2,000	8.48	16,962
1989	8,200	7,900	280	2,212	8.03	17,773
1990	7,600	7,400	330	2,442	6.32	15,425
1991	7,500	7,300	280	2,044	9.55	19,516
1992	7,600	7,200	340	2,448	9.75	23,868
1993	7,400	7,100	310	2,201	11.47	25,245

Source: National Agricultural Statistics Service, USDA.

Table 18--Minnesota onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	2,300	2,100	200	420	1.64	690
1961	2,100	1,900	210	399	4.20	1,675
1962	1,700	1,200	220	264	1.65	436
1963	1,700	1,600	200	320	2.46	787
1964	1,700	1,500	220	330	2.20	725
1965	1,700	1,200	250	300	1.20	361
1966	1,400	1,300	190	247	3.94	974
1967	1,200	1,100	260	286	3.91	1,119
1968	1,100	1,000	265	265	1.80	476
1969	950	900	250	225	4.09	921
1970	1,000	850	260	221	2.17	479
1971	950	800	300	240	2.87	688
1972	1,000	950	265	252	7.34	1,849
1973	1,000	950	285	271	5.23	1,418
1974	1,000	750	375	281	3.52	989
1975	950	750	220	165	6.14	1,013
1976	900	800	215	172	9.42	1,620
1977	1,000	840	260	218	5.83	1,270
1978	1,000	970	230	223	4.84	1,080
1979	1,000	480	260	125	2.88	360
1980	900	760	264	201	10.70	2,150
1981	850	750	265	199	7.94	1,581
1982	1,000	800	210	168	4.10	689
1983	850	790	200	158	10.78	1,703
1984	900	650	240	156	5.22	815
1985	800	670	290	194	4.46	866
1986	700	650	320	208	10.34	2,151
1987	730	650	300	195	9.43	1,838
1988	730	600	210	126	8.37	1,054
1989	730	670	240	161	6.40	1,030
1990	600	540	385	208	5.31	1,104
1991	1,100	980	300	294	7.85	2,307
1992	1,100	950	300	285	7.61	2,170
1993	920	110	200	22	8.86	195

Source: National Agricultural Statistics Service, USDA.

Table 19--North Carolina onions: Area, yield, production, and value, 1960-64

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	400	400	110	44	2.75	121
1961	200	200	150	30	4.50	135
1962	250	250	160	40	4.40	176
1963	250	250	160	40	4.05	162
1964 1/	250	250	184	46	2.70	124

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 20--Nebraska onions: Area, yield, production, and value, 1960-64

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	130	100	180	18	1.39	25
1961	160	60	267	16	1.81	29
1962	260	150	100	15	0.60	9
1963	150	110	200	22	1.91	42
1964 1/	150	140	100	14	2.00	28

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 21--Nevada onions: Area, yield, production, and value, 1960-64

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		<i>Cwt/acre</i>	<i>1,000 cwt</i>	<i>\$/cwt</i>	<i>\$1,000</i>
1960	550	500	340	170	1.94	329
1961	450	400	340	136	1.53	208
1962	850	750	309	232	1.54	358
1963	700	650	369	240	1.69	405
1964 1/	250	220	300	66	1.36	90

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 22--New Jersey onions: Area, yield, production, and value, 1960-82

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		<i>Cwt/acre</i>	<i>1,000 cwt</i>	<i>\$/cwt</i>	<i>\$1,000</i>
1960	2,200	2,200	175	385	4.35	1,675
1961	2,300	2,300	140	322	5.10	1,642
1962	2,600	2,600	150	390	3.25	1,268
1963	2,700	2,700	145	392	5.30	2,078
1964	2,700	2,600	135	351	3.95	1,386
1965	2,500	2,500	150	375	4.95	1,856
1966	2,000	2,000	170	340	7.36	2,502
1967	2,100	2,100	205	431	4.45	1,918
1968	2,000	1,900	220	418	4.08	1,705
1969	1,800	1,600	210	336	5.24	1,759
1970	1,800	1,600	205	328	5.30	1,739
1971	1,700	1,500	200	300	6.09	1,827
1972	1,600	1,500	190	285	8.32	2,371
1973	1,500	1,200	140	168	7.38	1,239
1974	1,100	900	170	153	8.68	1,328
1975	900	750	140	105	12.30	1,292
1976	800	700	176	123	8.24	1,014
1977	650	650	180	117	8.32	973
1978	650	600	140	84	9.50	798
1979	810	790	146	115	11.90	1,369
1980	750	680	110	75	12.20	915
1981	700	650	160	104	15.40	1,602
1982 1/	700	600	150	90	11.00	990

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 23--New Mexico onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	2,800	2,300	290	667	2.45	1,635
1961	2,000	1,800	335	603	4.55	2,744
1962	2,200	2,100	280	588	3.80	2,234
1963	2,100	2,000	320	640	4.65	2,976
1964	2,600	2,500	280	700	2.80	1,960
1965	2,300	2,200	330	726	5.50	3,993
1966	4,300	4,000	250	1,000	4.35	4,350
1967	5,000	4,000	300	1,200	3.15	3,780
1968	4,500	4,100	300	1,230	4.00	4,920
1969	3,600	3,400	275	935	3.52	3,291
1970	3,100	2,700	290	783	4.53	3,547
1971	2,700	2,600	300	780	4.12	3,214
1972	3,300	3,300	320	1,056	7.65	8,078
1973	3,700	3,700	290	1,073	7.20	7,726
1974	3,400	3,300	340	1,122	6.54	7,338
1975	3,000	3,000	335	1,005	15.70	15,779
1976	4,200	4,000	335	1,340	5.60	7,504
1977	3,500	3,200	325	1,040	7.70	8,008
1978	4,300	3,700	320	1,184	8.54	10,111
1979	3,500	3,200	300	960	11.10	10,656
1980	4,000	3,900	290	1,131	9.20	10,405
1981	3,600	3,600	345	1,242	16.20	20,120
1982	4,600	4,500	365	1,643	8.69	14,278
1983	4,400	3,900	320	1,248	8.89	11,095
1984	4,100	3,900	350	1,365	11.80	16,107
1985	4,700	4,500	325	1,463	13.00	19,019
1986	5,100	4,700	385	1,810	9.53	17,249
1987	5,600	5,400	390	2,106	14.60	30,748
1988	6,800	6,400	430	2,752	8.52	23,447
1989	7,500	7,500	400	3,000	14.80	44,400
1990	8,800	8,400	350	2,940	9.71	28,547
1991	7,200	7,100	410	2,911	15.30	44,538
1992	8,200	8,000	400	3,200	11.90	38,080
1993	8,800	8,800	425	3,740	10.80	40,392

Source: National Agricultural Statistics Service, USDA.

Table 24--New York onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	15,200	15,000	345	5,175	1.91	9,890
1961	14,200	14,100	310	4,371	3.95	17,280
1962	14,800	14,600	340	4,964	2.31	11,445
1963	16,100	15,800	305	4,819	2.45	11,788
1964	16,600	16,000	280	4,480	2.76	12,350
1965	16,500	16,400	330	5,412	2.15	11,660
1966	14,700	14,700	245	3,602	4.22	15,216
1967	14,300	14,000	300	4,200	3.84	16,116
1968	13,900	13,400	280	3,752	2.92	10,960
1969	13,500	13,200	285	3,762	4.48	16,845
1970	14,400	14,000	340	4,760	2.22	10,561
1971	13,600	13,300	310	4,123	3.47	14,306
1972	13,100	11,500	200	2,300	8.36	19,220
1973	13,900	13,600	220	2,992	6.07	18,172
1974	14,200	13,700	290	3,973	5.36	21,301
1975	14,100	13,500	255	3,443	10.60	36,495
1976	14,300	13,700	265	3,631	8.97	32,563
1977	14,000	13,300	305	4,057	6.25	25,367
1978	14,500	13,900	310	4,309	6.95	29,929
1979	14,900	14,600	330	4,818	7.11	34,245
1980	14,600	14,300	310	4,433	14.12	62,612
1981	14,600	14,300	275	3,933	13.57	53,390
1982	14,300	14,000	325	4,550	7.37	33,521
1983	14,100	13,900	230	3,197	17.16	54,847
1984	14,400	14,100	240	3,384	9.07	30,696
1985	13,500	13,200	300	3,960	9.93	39,317
1986	13,500	13,000	290	3,770	15.00	56,536
1987	12,900	11,600	280	3,248	16.31	52,980
1988	13,200	11,700	250	2,925	13.85	40,505
1989	13,200	11,200	260	2,912	12.63	36,770
1990	12,900	12,200	380	4,636	10.66	49,421
1991	12,300	11,800	300	3,540	16.18	57,282
1992	12,800	12,200	360	4,392	14.11	61,990
1993	12,500	12,300	280	3,444	20.24	69,709

Source: National Agricultural Statistics Service, USDA.

Table 25--Ohio onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	450	450	471	212	2.37	502
1961	450	450	444	200	4.14	828
1962	500	500	340	170	2.45	416
1963	550	550	451	248	2.77	688
1964	550	550	420	231	3.30	763
1965	550	550	509	280	2.54	710
1966	550	550	400	220	5.31	1,168
1967	600	600	435	261	4.50	1,175
1968	600	600	400	240	3.71	890
1969	500	500	310	155	4.83	748
1970	630	600	435	261	3.02	789
1971	630	600	450	270	3.91	1,055
1972	600	570	265	151	7.33	1,107
1973	670	590	295	174	6.93	1,206
1974	700	480	285	137	4.48	614
1975	660	580	376	218	8.02	1,748
1976	630	470	370	174	6.97	1,213
1977	600	560	386	216	5.33	1,151
1978	600	550	420	231	5.96	1,376
1979	600	590	375	221	4.93	1,089
1980	550	540	306	165	10.89	1,797
1981	560	530	321	170	9.34	1,587
1982	580	570	289	165	5.94	980
1983	560	550	351	193	12.15	2,345
1984	530	500	410	205	10.10	2,070
1985	500	490	451	221	8.63	1,908
1986	500	490	345	169	13.03	2,202
1987	490	470	296	139	12.93	1,797
1988	560	550	300	165	14.35	2,368
1989	500	490	390	191	12.66	2,419
1990	500	500	396	198	10.18	2,016
1991	490	490	345	169	12.59	2,127
1992	500	480	240	115	16.21	1,864
1993	480	470	351	165	11.03	1,820

Source: National Agricultural Statistics Service, USDA.

Table 26--Oregon, western counties, onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	2,100	1,900	320	608	2.08	1,262
1961	2,200	2,200	345	759	4.23	3,208
1962	2,100	2,100	375	788	2.08	1,639
1963	2,100	2,100	305	640	3.98	2,548
1964	2,200	2,200	405	891	1.74	1,548
1965	2,200	2,200	385	847	2.46	2,083
1966	2,200	2,200	435	957	4.27	4,084
1967	2,100	2,100	320	672	5.40	3,630
1968	2,200	2,100	420	882	1.18	1,037
1969	2,100	2,100	435	914	3.95	3,608
1970	2,100	2,100	440	924	2.97	2,742
1971	2,100	2,100	400	840	2.86	2,400
1972	2,100	2,100	365	767	8.12	6,228
1973	2,100	2,100	510	1,071	6.88	7,366
1974	2,100	2,100	520	1,092	2.72	2,974
1975	2,100	2,100	520	1,092	7.21	7,877
1976	2,200	2,200	515	1,133	6.19	7,018
1977	2,200	2,100	470	987	4.07	4,016
1978	2,300	2,200	370	814	7.35	5,979
1979	2,400	2,300	480	1,104	2.92	3,222
1980	2,500	2,400	460	1,104	11.92	13,165
1981	2,600	2,500	440	1,100	14.10	15,510
1982	2,800	2,700	420	1,134	2.46	2,792
1983	2,600	2,500	420	1,050	10.33	10,850
1984	3,300	3,200	400	1,280	7.24	9,264
1985	3,500	3,500	430	1,505	4.58	6,893
1986	3,300	3,200	450	1,440	11.54	16,616
1987	3,600	3,600	420	1,512	10.79	16,315
1988	3,700	3,600	360	1,296	8.67	11,235
1989	3,500	3,500	405	1,418	10.65	15,104
1990	3,500	3,500	390	1,365	8.66	11,819
1991	3,400	3,200	380	1,216	10.37	12,608
1992	4,300	4,200	410	1,722	13.25	22,816
1993	6,000	5,800	420	2,436	15.74	38,333

Source: National Agricultural Statistics Service, USDA.

Table 27--Texas spring onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	32,000	27,300	105	2,854	2.98	8,502
1961	23,700	20,700	126	2,601	3.48	9,046
1962	27,300	24,000	115	2,752	4.61	12,679
1963	25,200	23,600	127	2,993	4.16	12,446
1964	28,700	25,400	132	3,365	2.75	9,256
1965	25,700	23,700	128	3,039	3.98	12,092
1966	23,600	16,800	93	1,563	7.48	11,686
1967	24,500	23,500	163	3,830	4.05	15,498
1968	27,200	21,700	114	2,482	6.84	16,978
1969	25,000	21,000	145	3,045	3.23	9,832
1970	21,500	20,000	165	3,300	5.84	19,278
1971	19,000	18,000	190	3,420	3.97	13,564
1972	18,500	17,500	170	2,975	4.83	14,379
1973	20,500	19,500	160	3,120	16.54	51,609
1974	21,500	21,000	170	3,570	5.01	17,868
1975	18,000	17,000	175	2,975	12.10	35,998
1976	25,000	24,000	200	4,800	6.92	33,216
1977	17,800	16,900	165	2,789	13.40	37,373
1978	25,800	22,300	150	3,345	9.53	31,878
1979	24,500	21,900	160	3,504	9.00	31,536
1980	19,000	18,300	195	3,569	8.63	30,800
1981	18,500	18,000	150	2,700	25.90	69,930
1982	19,800	19,400	180	3,492	13.60	47,491
1983	19,200	19,000	200	3,800	11.20	42,560
1984	20,600	18,600	180	3,348	19.60	65,621
1985	18,000	17,000	190	3,230	12.30	39,729
1986	15,000	12,000	300	3,600	9.74	35,064
1987	13,800	12,500	220	2,750	25.30	69,575
1988	14,500	14,000	230	3,220	12.00	38,640
1989	16,200	15,000	215	3,225	10.70	34,508
1990	14,100	12,600	200	2,520	17.00	42,840
1991	13,100	11,800	240	2,832	19.10	54,091
1992	15,500	13,300	210	2,793	19.80	55,301
1993	14,400	13,500	205	2,768	26.20	72,522

Source: National Agricultural Statistics Service, USDA.

Table 28--Texas summer nonstorage onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	5,500	4,800	225	1,080	3.35	3,618
1961	4,200	3,800	245	931	5.50	5,120
1962	4,000	3,900	240	936	3.65	3,416
1963	4,100	4,000	205	820	5.30	4,346
1964	4,200	4,100	250	1,025	3.15	3,229
1965	4,500	4,300	215	924	5.10	4,712
1966	6,300	6,000	215	1,290	5.80	7,482
1967	7,400	5,000	230	1,150	4.39	5,044
1968	8,300	8,000	175	1,400	4.69	6,563
1969	7,000	6,500	220	1,430	4.60	6,580
1970	6,600	5,300	290	1,537	5.14	7,897
1971	6,800	6,300	250	1,575	4.73	7,442
1972	5,700	5,400	240	1,296	8.59	11,138
1973	6,800	6,500	280	1,820	7.99	14,548
1974	6,300	6,100	260	1,586	6.46	10,246
1975	5,600	5,200	270	1,404	17.20	24,149
1976	7,000	6,600	285	1,881	6.15	11,568
1977	6,900	6,800	275	1,870	9.85	18,420
1978	8,100	7,700	195	1,502	9.90	14,870
1979	8,200	7,600	200	1,520	12.70	19,304
1980	8,000	7,200	245	1,764	10.30	18,169
1981	6,500	6,200	240	1,488	19.60	29,165
1982	6,600	6,300	245	1,544	17.70	27,329
1983	6,500	6,200	265	1,643	11.90	19,552
1984	6,300	6,000	260	1,560	14.00	21,840
1985	4,600	4,100	230	943	15.50	14,617
1986	5,900	5,300	290	1,537	11.70	17,983
1987	5,900	4,700	170	799	10.40	8,310
1988	5,100	4,100	210	861	11.40	9,815
1989	4,200	4,000	260	1,040	18.30	19,032
1990	5,300	5,100	270	1,377	10.50	14,459
1991	4,500	4,000	240	960	19.30	18,528
1992	4,000	3,700	200	740	13.00	9,620
1993	3,900	3,600	260	936	19.00	17,784

Source: National Agricultural Statistics Service, USDA.

Table 29--Utah onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	750	700	326	228	2.03	462
1961	750	650	260	169	4.30	726
1962	800	700	300	210	1.82	382
1963	800	800	300	240	3.09	741
1964	750	600	260	156	2.52	393
1965	750	700	350	245	1.54	378
1966	600	550	280	154	4.02	619
1967	650	600	350	210	3.75	788
1968	800	750	291	218	1.90	414
1969	950	900	300	270	4.11	1,111
1970	1,000	1,000	300	300	2.25	674
1971	1,000	950	231	219	3.39	742
1972	1,100	1,000	370	370	5.18	1,916
1973	1,200	1,100	220	242	4.71	1,141
1974	1,400	1,300	300	390	3.27	1,274
1975	1,400	1,300	290	377	7.57	2,854
1976	1,600	1,500	300	450	5.74	2,585
1977	1,800	1,700	335	570	3.79	2,162
1978	2,100	2,000	360	720	7.29	5,247
1979	2,100	2,000	415	830	3.49	2,900
1980	2,000	1,900	345	656	11.23	7,366
1981	2,200	2,100	370	777	11.27	8,757
1982	2,100	2,000	365	730	2.29	1,669
1983	2,000	1,900	300	570	9.50	5,413
1984	2,300	2,200	315	693	6.20	4,299
1985	1,700	1,600	450	720	3.93	2,826
1986	1,500	1,400	335	469	9.22	4,325
1987	1,800	1,700	485	825	7.12	5,872
1988	1,900	1,800	380	684	7.04	4,816
1989	2,000	1,900	445	846	7.49	6,339
1990	2,000	1,900	480	912	7.48	6,821
1991	2,000	1,900	460	874	6.40	5,593
1992	2,100	2,000	525	1,050	8.20	8,608
1993	2,100	1,800	440	792	9.93	7,862

Source: National Agricultural Statistics Service, USDA.

Table 30--Virginia onions: Area, yield, production, and value, 1960-61

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	200	200	100	20	3.00	60
1961 1/	40	40	75	3	5.00	15

1/ Last year estimate published.

Source: National Agricultural Statistics Service, USDA.

Table 31--Washington summer nonstorage onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	500	450	460	207	2.10	435
1961	450	450	456	205	3.10	636
1962	550	550	440	242	2.60	629
1963	550	550	340	187	3.90	729
1964	500	500	450	225	3.00	675
1965	500	500	430	215	5.60	1,204
1966	550	550	475	261	5.90	1,540
1967	600	600	365	219	3.35	734
1968	550	500	400	200	3.75	750
1969	600	600	360	216	4.38	945
1970	900	650	345	224	4.06	909
1971	600	550	400	220	4.00	880
1972	600	550	380	209	7.56	1,579
1973	600	550	371	204	5.68	1,159
1974	650	600	380	228	3.98	907
1975	550	500	380	190	14.50	2,755
1976	600	550	380	209	5.42	1,132
1977	650	600	340	204	8.10	1,652
1978	850	800	380	304	10.10	3,070
1979	800	750	371	278	12.70	3,531
1980	850	780	329	257	8.86	2,277
1981	850	800	400	320	16.50	5,280
1982	900	850	371	315	8.28	2,608
1983	1,200	1,200	410	492	8.28	4,074
1984	1,300	1,200	360	432	13.50	5,832
1985	1,500	1,300	300	390	17.40	6,786
1986	1,600	1,300	330	429	9.55	4,097
1987	1,700	1,400	380	532	12.90	6,863
1988	1,800	1,600	400	640	10.70	6,848
1989	1,700	1,500	350	525	17.80	9,345
1990	1,500	1,200	340	408	12.60	5,141
1991	1,200	900	330	297	23.90	7,098
1992	1,100	1,000	390	390	16.60	6,474
1993	1,200	1,000	360	360	19.50	7,020

Source: National Agricultural Statistics Service, USDA.

Table 32--Washington summer storage onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	1,200	1,100	330	363	1.40	507
1961	1,300	1,200	335	402	3.93	1,581
1962	1,000	900	400	360	1.88	675
1963	1,000	950	440	418	3.81	1,593
1964	950	950	445	423	2.63	1,112
1965	1,200	1,000	440	440	2.40	1,056
1966	1,100	1,000	450	450	3.60	1,622
1967	1,100	1,000	370	370	3.88	1,436
1968	1,300	1,200	400	480	2.17	1,040
1969	1,200	1,100	425	468	4.41	2,063
1970	1,300	1,200	375	450	2.88	1,295
1971	1,500	1,200	400	480	3.67	1,761
1972	1,200	1,100	380	418	5.77	2,413
1973	1,200	1,100	390	429	4.34	1,862
1974	1,700	1,600	400	640	3.51	2,248
1975	1,600	1,500	400	600	6.68	4,005
1976	1,900	1,800	400	720	7.13	5,130
1977	2,800	2,700	410	1,107	3.68	4,075
1978	3,200	3,100	380	1,178	7.20	8,482
1979	4,000	3,900	400	1,560	3.00	4,684
1980	3,400	3,300	400	1,320	9.31	12,285
1981	3,900	3,700	400	1,480	11.52	17,050
1982	4,200	3,900	380	1,482	3.58	5,302
1983	3,700	3,500	440	1,540	11.35	17,484
1984	4,300	4,300	450	1,935	7.50	14,512
1985	4,300	4,300	410	1,763	3.83	6,754
1986	4,400	4,400	420	1,848	10.65	19,673
1987	5,000	5,000	460	2,300	8.90	20,479
1988	5,600	5,600	450	2,520	7.91	19,928
1989	6,500	6,200	450	2,790	9.55	26,656
1990	7,000	6,800	440	2,992	7.07	21,145
1991	7,900	7,700	470	3,619	9.37	33,900
1992	8,500	8,300	470	3,901	9.68	37,760
1993	9,800	9,500	470	4,465	13.60	60,724

Source: National Agricultural Statistics Service, USDA.

Table 33--Wisconsin onions: Area, yield, production, and value, 1960-93

Year	Area		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	--Acres--		Cwt/acre	1,000 cwt	\$/cwt	\$1,000
1960	2,600	2,500	235	588	1.47	863
1961	2,700	2,500	245	612	3.87	2,371
1962	2,400	2,200	245	539	1.87	1,008
1963	2,300	2,000	230	460	2.77	1,276
1964	2,400	2,200	210	462	2.17	1,001
1965	2,300	1,900	295	560	1.77	990
1966	2,100	1,900	200	380	3.89	1,479
1967	2,000	1,900	270	513	3.65	1,871
1968	1,900	1,800	250	450	2.53	1,139
1969	1,800	1,600	200	320	3.93	1,256
1970	1,800	1,700	260	442	2.36	1,041
1971	1,700	1,600	235	376	3.23	1,214
1972	1,600	1,500	250	375	7.33	2,750
1973	1,500	1,400	280	392	6.97	2,734
1974	1,500	1,300	280	364	3.61	1,313
1975	1,300	1,200	260	312	6.87	2,144
1976	1,500	1,400	295	413	8.38	3,463
1977	1,400	1,200	290	348	4.95	1,724
1978	1,600	1,500	295	443	4.16	1,843
1979	1,700	1,500	290	435	3.55	1,544
1980	1,400	1,200	290	348	10.50	3,653
1981	1,500	1,400	325	455	8.42	3,829
1982	1,600	1,500	330	495	3.70	1,833
1983	1,700	1,600	345	552	10.78	5,950
1984	1,700	1,600	340	544	4.58	2,490
1985	1,500	1,300	335	436	3.76	1,638
1986	1,400	1,200	315	378	10.28	3,887
1987	1,400	1,200	280	336	9.20	3,090
1988	1,600	1,300	270	351	9.75	3,424
1989	1,400	1,300	375	488	6.71	3,273
1990	1,600	1,500	420	630	4.50	2,835
1991	1,600	1,600	350	560	8.53	4,779
1992	2,000	1,800	430	774	8.80	6,810
1993	1,900	1,700	255	434	9.85	4,273

Source: National Agricultural Statistics Service, USDA.

Table 34--Onions, dry: Number of farms, area harvested, and percent irrigated, by State, 1978, 1982, and 1987

State	Farms			Area harvested			Area irrigated		
	1978	1982	1987	1978	1982	1987	1978	1982	1987
	--Number--			--Acres--			--Percent--		
Alabama	12	14	11	8	8	10	(D)	38	10
Arizona	21	29	19	1,184	1,462	1,022	100	100	100
Arkansas	8	9	8	6	7	2	33	86	50
California	444	398	327	33,560	28,627	24,109	100	100	100
Colorado	273	220	214	9,407	9,404	11,007	100	100	100
Connecticut	13	13	9	6	8	5	(D)	(D)	0
Delaware	8	0	0	2	0	0	0	0	0
Florida	24	29	28	199	48	121	100	92	95
Georgia	60	101	101	480	1,661	1,957	73	87	86
Hawaii	77	75	84	259	206	306	99	99	100
Idaho	134	124	184	5,515	4,727	8,330	100	100	100
Illinois	153	55	51	384	306	302	5	11	37
Indiana	56	43	39	600	345	387	89	86	46
Iowa	30	28	28	187	183	108	28	28	26
Kansas	21	13	11	16	4	16	44	25	31
Kentucky	26	8	9	14	6	3	0	0	(D)
Louisiana	14	18	9	49	43	11	(D)	(D)	0
Maine	31	23	25	5	5	15	20	(D)	(Z)
Maryland	20	17	11	7	12	13	43	0	(D)
Massachusetts	49	43	33	168	118	53	11	14	21
Michigan	309	259	217	8,390	7,961	8,621	34	49	57
Minnesota	94	91	64	827	782	718	1	5	2
Mississippi	12	11	10	4	5	4	(D)	(Z)	(D)
Missouri	0	12	14	0	(D)	(D)	0	(D)	(D)
Montana	15	16	0	5	7	0	100	100	0
Nebraska	14	27	31	16	163	199	81	98	98
Nevada	10	10	9	412	488	665	100	100	100
New Hampshire	14	11	6	16	4	2	(D)	(D)	50
New Jersey	98	63	47	451	266	249	88	83	73
New Mexico	125	91	97	3,743	3,936	5,447	100	100	100
New York	489	404	317	14,102	13,468	11,635	10	6	10
North Carolina	22	18	15	25	38	18	(D)	(D)	11
North Dakota	18	16	12	18	9	8	6	22	63
Ohio	161	67	46	604	592	528	(D)	(D)	1
Oklahoma	18	18	20	19	9	9	5	33	22
Oregon	301	286	300	10,828	10,530	13,519	100	100	100
Pennsylvania	109	105	89	40	44	49	8	18	10
Rhode Island	13	3	0	2	1	0	(D)	(D)	0
South Carolina	15	5	5	5	2	2	(D)	(D)	(D)
South Dakota	11	12	13	4	6	4	75	50	50
Tennessee	17	16	7	3	7	(D)	0	0	(D)
Texas	380	314	358	28,245	23,830	16,805	99	99	98
Utah	96	78	83	2,099	1,820	1,740	100	100	100
Vermont	10	13	9	4	2	4	0	(D)	(D)
Virginia	21	17	10	9	6	5	(D)	0	(D)
Washington	160	145	139	3,973	4,449	5,860	100	99	100
West Virginia	9	12	13	2	2	5	0	0	(D)
Wisconsin	160	134	112	1,791	1,815	1,670	26	23	35
All other States	8	2	6	8	(D)	5	13	(D)	100
United States	4,183	3,516	3,250	127,697	117,453	115,601	83	82	85

(D) Withheld to avoid disclosing data for individual farms.

(Z) Too small to be significant.

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

Table 35--Onions, dry: Cash receipts, by State, 1960-92

State	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
	\$1,000										
Alabama	6	14	16	20	24	6	18	11	24	43	46
Arizona	1,101	1,757	2,070	2,835	1,144	3,916	2,907	3,153	3,338	2,372	3,712
Arkansas	26	34	24	24	24	6	14	7	15	22	23
California	8,550	9,316	10,811	14,076	10,341	18,860	27,120	25,880	21,868	28,519	22,574
Colorado	4,269	5,697	6,086	5,435	5,092	4,081	5,312	5,120	6,024	5,979	5,691
Connecticut	18	16	13	14	10	3	10	4	22	25	27
Florida	16	26	18	21	18	119	9	7	15	686	611
Georgia	130	158	230	164	346	93	132	62	73	45	48
Hawaii	109	109	142	79	111	88	123	93	60	74	87
Idaho	1,255	2,598	1,960	2,351	3,043	3,719	5,444	6,920	5,686	5,464	6,008
Illinois	305	343	268	317	317	288	377	300	266	299	326
Indiana	390	909	909	613	788	556	637	1,377	956	1,191	1,585
Iowa	173	275	176	165	243	184	284	312	199	282	305
Kansas	141	28	108	76	106	39	76	45	93	166	177
Kentucky	4	6	2	3	**	**	**	**	**	**	**
Louisiana	13	21	17	17	18	6	14	7	21	43	46
Maryland	3	5	7	8	9	3	4	4	6	13	15
Massachusetts	107	144	75	135	90	25	90	71	104	133	143
Michigan	4,192	6,573	9,782	6,855	6,763	4,727	6,760	7,717	8,938	6,441	7,329
Minnesota	441	805	1,551	594	768	570	635	738	1,171	506	911
Mississippi	4	8	2	4	**	3	4	4	9	21	22
Missouri	12	20	10	12	10	3	9	7	15	30	35
Montana	21	30	24	29	36	11	16	9	17	25	3
Nebraska	25	29	9	42	28	8	16	5	10	43	46
Nevada	407	243	171	605	98	36	62	65	105	69	163
New Jersey	1,675	1,642	1,268	2,078	1,386	1,856	2,502	1,918	1,771	1,759	1,739
New Mexico	1,635	2,744	2,234	2,976	1,960	3,993	4,350	3,780	4,920	3,291	3,547
New York	8,333	12,322	15,845	13,227	12,653	9,516	16,806	14,247	15,882	11,992	15,403
North Carolina	121	135	176	162	124	40	77	52	93	165	180
North Dakota	20	26	14	14	10	4	11	4	13	25	27
Ohio	302	564	723	480	885	694	762	1,394	995	928	696
Oklahoma	67	75	35	20	**	3	9	7	18	46	49
Oregon	3,445	6,951	5,429	5,821	6,499	4,855	8,838	10,833	9,643	8,110	10,681
Pennsylvania	142	192	104	108	77	26	47	30	64	99	98
Rhode Island	**	**	**	**	**	**	**	**	**	**	**
South Carolina	5	4	3	**	**	3	4	3	8	19	17
South Dakota	**	**	**	**	**	4	5	4	10	25	27
Tennessee	7	12	8	10	9	3	9	7	21	43	46
Texas	12,120	14,166	16,095	16,792	12,617	16,804	19,168	20,542	23,541	16,458	27,224
Utah	492	621	531	706	488	443	469	852	459	882	679
Vermont	**	**	**	**	**	**	**	**	**	**	**
Virginia	60	15	15	23	24	6	14	11	21	39	42
Washington	879	1,392	1,964	2,017	1,910	2,245	3,057	2,249	1,875	2,524	2,488
West Virginia	3	5	7	8	9	3	4	4	6	13	15
Wisconsin	718	1,303	2,109	1,155	1,109	1,106	962	1,569	2,036	1,214	1,072
Wyoming	10	16	10	12	12	3	9	7	12	22	23
United States	51,752	71,349	81,051	80,103	69,199	78,957	107,176	109,431	110,423	100,145	113,986

Refer to footnotes at end of table.

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Table 35--Onions, dry: Cash receipts, by State, 1960-92--continued

State	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	\$1,000										
Alabama	26	27	47	26	98	**	**	**	**	**	**
Arizona	1,864	3,147	6,792	3,208	6,332	3,420	4,644	3,772	4,816	11,748	8,704
Arkansas	13	14	24	15	47	**	**	**	**	**	**
California	25,622	50,106	34,812	41,879	56,502	30,845	66,561	80,350	114,154	81,547	86,309
Colorado	5,447	9,127	9,594	7,741	16,602	11,652	12,995	15,730	20,706	19,723	44,833
Connecticut	15	16	27	18	56	**	**	**	**	**	**
Florida	694	643	491	382	109	**	**	**	**	**	**
Georgia	28	29	50	27	103	**	**	**	**	**	**
Hawaii	131	182	369	251	487	**	**	**	**	**	**
Idaho	7,221	10,138	15,499	12,014	17,256	10,821	16,264	17,929	32,863	21,168	41,488
Illinois	166	200	315	181	723	**	**	**	**	**	**
Indiana	1,060	892	1,671	1,125	1,012	**	**	**	**	**	**
Iowa	154	184	302	171	65	**	**	**	**	**	**
Kansas	91	104	182	102	359	**	**	**	**	**	**
Kentucky	**	**	**	**	**	**	**	**	**	**	**
Louisiana	26	27	47	26	98	**	**	**	**	**	**
Maryland	7	7	16	10	29	**	**	**	**	**	**
Massachusetts	71	91	138	82	302	**	**	**	**	**	**
Michigan	6,420	11,365	16,544	11,724	10,766	13,790	17,379	14,508	14,272	15,298	36,019
Minnesota	688	817	1,814	1,255	371	1,032	1,819	1,125	948	847	3,387
Mississippi	13	13	23	15	47	**	**	**	**	**	**
Missouri	20	20	32	20	68	**	**	**	**	**	**
Montana	15	16	8	13	57	**	**	**	**	**	**
Nebraska	22	27	47	27	98	**	**	**	**	**	**
Nevada	129	53	725	1,300	1,890	**	**	**	**	**	**
New Jersey	1,827	2,371	1,239	1,328	1,292	1,014	973	798	1,369	915	1,602
New Mexico	3,214	8,078	7,726	7,338	15,779	7,504	8,008	10,111	10,656	10,405	20,120
New York	14,306	15,147	22,213	22,761	33,297	28,565	33,837	31,091	38,332	47,683	68,534
North Carolina	180	200	20	270	**	**	**	**	**	**	**
North Dakota	15	16	28	18	57	**	**	**	**	**	**
Ohio	1,055	973	1,218	942	718	1,075	1,666	1,258	1,355	1,307	2,378
Oklahoma	28	29	51	27	104	**	**	**	**	**	**
Oregon	11,003	14,797	24,974	19,074	24,450	19,218	23,423	30,498	41,061	37,739	78,906
Pennsylvania	54	62	109	61	223	**	**	**	**	**	**
Rhode Island	**	**	**	**	**	**	**	**	**	**	**
South Carolina	11	12	21	13	42	**	**	**	**	**	**
South Dakota	15	16	28	18	57	**	**	**	**	**	**
Tennessee	26	27	47	26	98	**	**	**	**	**	**
Texas	21,034	25,546	66,208	28,141	60,251	44,784	55,793	46,748	50,840	48,969	99,095
Utah	742	1,407	1,728	1,459	2,605	2,206	3,178	3,807	4,826	6,423	9,327
Vermont	**	**	**	**	**	**	**	**	**	**	**
Virginia	20	27	40	26	88	**	**	**	**	**	**
Washington	2,641	3,541	3,532	3,262	6,381	5,108	8,243	9,735	15,792	16,579	26,173
West Virginia	7	7	16	10	29	**	**	**	**	**	**
Wisconsin	1,214	1,647	2,966	2,036	1,444	2,918	3,081	2,091	2,303	2,411	5,294
Wyoming	13	14	24	15	49	**	**	**	**	**	**
United States	107,348	161,162	221,757	168,437	260,441	183,952	257,864	269,551	354,293	322,762	532,169

Refer to footnotes at end of table.

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Table 35--Onions, dry: Cash receipts, by State, 1960-92--continued

State	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	\$1,000										
Alabama	**	**	**	**	**	**	**	**	**	**	**
Arizona	6,899	5,287	7,366	5,386	5,795	11,993	3,398	3,816	5,006	3,797	4,418
Arkansas	**	**	**	**	**	**	**	**	**	**	**
California	67,733	99,470	106,811	116,082	106,491	136,229	90,382	109,671	124,694	130,390	122,948
Colorado	36,276	28,871	60,423	30,815	54,071	44,133	71,125	68,724	52,224	59,536	77,094
Connecticut	**	**	**	**	**	**	**	**	**	**	**
Florida	**	**	**	**	**	**	**	**	**	**	**
Georgia	**	**	**	**	**	**	**	17,272	35,381	20,790	35,204
Hawaii	**	**	**	**	**	**	**	**	**	**	**
Idaho	28,946	23,164	35,814	24,571	34,392	38,222	42,560	48,068	29,982	42,126	61,997
Illinois	**	**	**	**	**	**	**	**	**	**	**
Indiana	**	**	**	**	**	**	**	**	**	**	**
Iowa	**	**	**	**	**	**	**	**	**	**	**
Kansas	**	**	**	**	**	**	**	**	**	**	**
Kentucky	**	**	**	**	**	**	**	**	**	**	**
Louisiana	**	**	**	**	**	**	**	**	**	**	**
Maryland	**	**	**	**	**	**	**	**	**	**	**
Massachusetts	**	**	**	**	**	**	**	**	**	**	**
Michigan	20,077	23,813	28,844	11,505	17,082	21,842	25,780	23,011	20,461	21,568	25,844
Minnesota	1,450	1,472	1,123	754	1,480	2,671	1,980	996	1,258	1,953	2,652
Mississippi	**	**	**	**	**	**	**	**	**	**	**
Missouri	**	**	**	**	**	**	**	**	**	**	**
Montana	**	**	**	**	**	**	**	**	**	**	**
Nebraska	**	**	**	**	**	**	**	**	**	**	**
Nevada	**	**	**	**	**	**	**	**	**	**	**
New Jersey	990	990	**	**	**	**	**	**	**	**	**
New Mexico	14,278	11,107	17,245	18,873	17,245	26,132	23,447	44,400	28,547	44,538	37,485
New York	57,529	42,957	53,590	41,932	54,906	60,492	52,226	48,049	55,260	58,010	49,357
North Carolina	**	**	**	**	**	**	**	**	**	**	**
North Dakota	**	**	**	**	**	**	**	**	**	**	**
Ohio	1,556	1,611	2,206	2,333	2,246	2,194	2,500	2,728	2,251	2,540	2,620
Oklahoma	**	**	**	**	**	**	**	**	**	**	**
Oregon	47,598	38,061	78,847	45,195	44,083	80,103	93,057	69,020	80,814	84,299	113,439
Pennsylvania	**	**	**	**	**	**	**	**	**	**	**
Rhode Island	**	**	**	**	**	**	**	**	**	**	**
South Carolina	**	**	**	**	**	**	**	**	**	**	**
South Dakota	**	**	**	**	**	**	**	**	**	**	**
Tennessee	**	**	**	**	**	**	**	**	**	**	**
Texas	74,820	62,112	87,461	54,346	53,047	77,885	48,455	53,540	57,299	72,619	61,022
Utah	7,404	4,207	5,666	3,918	3,854	5,966	7,068	6,252	6,878	7,517	14,785
Vermont	**	**	**	**	**	**	**	**	**	**	**
Virginia	**	**	**	**	**	**	**	**	**	**	**
Washington	15,645	15,268	30,796	14,586	16,140	24,948	33,678	38,942	31,321	47,551	48,684
West Virginia	**	**	**	**	**	**	**	**	**	**	**
Wisconsin	3,031	4,228	6,380	1,502	3,712	3,037	4,006	3,648	3,124	5,013	7,062
Wyoming	**	**	**	**	**	**	**	**	**	**	**
United States	384,232	362,618	522,572	371,798	414,544	535,847	499,662	538,137	534,500	602,247	664,611

** = Denotes zero or not reported.

Source: Economic Research Service, USDA.

Table 36--Onions, dry: U.S. shipments, by month, 1970-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<i>1,000 pounds</i>													
1970	1,149	719	1,138	1,998	2,029	1,527	1,167	888	1,033	1,121	908	987	14,664
1971	1,096	820	1,090	1,694	1,692	1,519	1,124	826	1,112	1,008	998	860	13,840
1972	854	907	1,072	1,852	1,869	1,531	1,175	965	1,233	1,357	1,168	1,184	15,167
1973	1,296	923	871	1,514	2,470	1,637	993	1,008	1,326	1,311	1,213	967	15,530
1974	944	638	1,088	1,962	2,076	1,665	1,452	1,323	1,267	1,451	1,317	1,207	16,390
1975	1,306	1,030	1,051	1,404	1,553	1,304	1,092	1,381	1,252	1,169	1,054	1,027	14,624
1976	1,047	949	1,591	1,683	1,875	1,601	1,356	1,531	1,489	1,530	1,768	1,469	17,889
1977	1,271	962	1,048	1,814	2,188	1,782	1,572	1,610	1,444	1,412	1,421	1,257	17,780
1978	1,712	1,462	1,536	1,871	2,270	1,994	1,918	1,628	1,726	2,029	2,099	2,091	22,336
1979	2,039	1,486	1,618	1,957	2,168	1,953	1,472	1,942	1,659	2,106	2,007	1,821	22,228
1980	2,003	2,086	2,000	2,165	2,061	2,273	2,072	1,746	2,006	2,288	2,162	2,043	24,905
1981	2,051	1,588	1,631	1,991	2,213	2,285	2,089	2,038	2,566	3,094	2,222	2,096	25,864
1982	2,093	1,547	2,239	2,142	2,587	2,650	2,266	2,131	2,371	2,110	2,057	2,061	26,254
1983	2,192	1,858	2,170	2,234	2,584	2,446	2,296	2,130	2,490	2,472	2,303	2,323	27,498
1984	2,318	1,980	2,064	2,287	3,037	2,531	2,335	2,037	2,469	2,579	2,880	2,408	28,925
1985	2,568	2,148	2,235	2,122	3,103	2,384	2,237	2,476	2,334	2,591	2,553	2,452	29,203
1986	2,769	2,308	2,408	2,720	3,004	2,420	2,834	2,493	2,625	2,813	2,337	2,658	31,389
1987	2,744	2,078	2,537	2,459	3,123	2,693	2,697	2,535	2,917	2,924	2,616	2,858	32,181
1988	2,945	2,341	2,940	2,829	3,071	2,711	2,545	2,720	3,015	2,816	2,687	2,802	33,422
1989	2,895	2,420	2,903	2,817	2,828	2,692	2,413	2,561	2,934	3,112	2,752	2,709	33,036
1990	2,936	2,780	2,469	2,758	2,866	2,745	2,625	2,575	2,804	3,300	3,269	2,994	34,121
1991	3,170	2,715	2,997	3,102	2,619	2,596	2,605	2,759	2,918	3,186	3,199	2,893	34,759
1992	3,192	2,673	2,591	3,406	2,752	2,786	2,648	2,560	3,462	3,137	2,763	3,217	35,187
1993	2,856	2,745	3,390	2,448	2,989	3,680	2,877	2,793	3,724	2,859	2,776	2,960	36,097

1/ Includes imports, exports, and domestic shipments.

Source: Agricultural Marketing Service, USDA.

Table 37--Onions, dry: Arrivals in selected U.S. cities, by major shipping points, 1982-92

Year and city	Shipping point										Total
	Cali- fornia	Colo- rado	Idaho	Michigan	New Mexico	New York	Oregon	Texas	Wash- ington	Other 1/	
1,000 cwt											
1982:											
Atlanta	44	57	17	146	78	66	39	144	4	133	728
Baltimore	87	10	36	0	1	179	65	146	1	14	539
Boston	164	45	108	17	9	277	43	124	13	56	856
Chicago	218	21	120	104	20	3	20	157	1	150	814
Los Angeles	1,220	26	187	0	2	0	81	79	23	98	1,716
New York-Newark	200	32	162	12	13	700	186	305	2	78	1,690
San Francisco	329	40	177	0	0	0	193	114	69	23	945
Other 2/	443	434	379	389	155	457	247	936	234	349	4,023
Total	2,705	665	1,186	668	278	1,682	874	2,005	347	901	11,311
1983:											
Atlanta	17	67	19	151	73	21	41	183	7	196	775
Baltimore	70	16	45	7	2	179	78	147	10	16	570
Boston	153	18	106	25	0	273	91	162	26	47	901
Chicago	350	64	103	74	11	0	38	211	67	187	1,105
Los Angeles	1,391	16	172	0	18	0	102	127	38	123	1,987
New York-Newark	208	29	229	22	5	639	195	325	9	45	1,706
San Francisco	319	0	160	0	0	0	336	120	148	20	1,103
Other 2/	277	391	359	376	126	334	283	1,055	281	391	3,873
Total	2,785	601	1,193	655	235	1,446	1,164	2,330	586	1,025	12,020
1984:											
Atlanta	39	67	42	156	0	21	55	188	11	217	796
Baltimore	53	21	65	18	0	132	53	131	16	37	526
Boston	83	38	129	37	0	307	61	154	15	67	891
Chicago	117	26	129	94	0	1	56	154	11	118	706
Los Angeles	1,175	57	296	0	0	0	77	98	21	172	1,896
New York-Newark	122	44	294	27	0	460	126	181	6	56	1,316
San Francisco	456	26	123	0	0	0	265	96	136	11	1,113
Other 2/	315	363	385	410	0	265	284	772	286	463	3,543
Total	2,360	642	1,463	742	0	1,186	977	1,774	502	1,141	10,787
1985:											
Atlanta	70	56	59	183	94	13	49	180	8	124	836
Baltimore	85	50	95	24	9	139	44	121	6	24	597
Boston	179	86	101	41	4	399	98	101	10	39	1,058
Chicago	325	14	156	121	11	1	34	116	6	178	962
Los Angeles	1,157	145	323	0	6	0	78	17	43	118	1,887
New York-Newark	295	63	212	31	16	388	177	101	7	86	1,376
San Francisco	366	14	151	0	1	0	247	53	265	9	1,106
Other 2/	362	390	424	435	87	241	339	586	279	273	3,416
Total	2,839	818	1,521	835	228	1,181	1,066	1,275	624	851	11,238

Refer to footnotes at end of table.

--Continued

Table 37--Onions, dry: Arrivals in selected U.S. cities, by major shipping points, 1982-92--continued

Year and city	Shipping point										Total
	California	Colorado	Idaho	Michigan	New Mexico	New York	Oregon	Texas	Washington	Other 1/	
<i>1,000 cwt</i>											
1986:											
Atlanta	51	109	43	108	79	10	63	313	18	158	952
Baltimore	70	53	93	20	14	146	71	156	17	19	659
Boston	142	73	155	19	11	304	79	177	28	28	1,016
Chicago	256	21	137	92	12	3	36	176	10	98	841
Los Angeles	1,551	93	207	0	24	0	249	59	91	161	2,435
New York-Newark	218	25	314	16	4	322	218	188	3	25	1,333
San Francisco	431	3	59	0	0	0	251	67	247	37	1,095
Other 2/	346	409	395	324	71	236	334	747	280	265	3,407
Total	3,065	786	1,403	579	215	1,021	1,301	1,883	694	791	11,738
1987:											
Atlanta	77	119	69	44	85	11	59	170	31	258	923
Baltimore	74	56	124	14	11	123	61	122	23	31	639
Boston	163	45	223	6	5	257	108	97	11	72	987
Chicago	338	35	178	102	6	12	16	155	20	129	991
Los Angeles	1,452	65	154	3	22	0	254	42	93	162	2,247
New York-Newark	342	19	517	0	17	228	417	207	32	36	1,815
San Francisco	498	4	78	0	4	0	207	74	206	51	1,122
Other 2/	451	398	473	282	122	213	431	527	260	401	3,558
Total	3,395	741	1,816	451	272	844	1,553	1,394	676	1,140	12,282
1988:											
Atlanta	74	119	74	43	97	4	80	170	11	237	909
Baltimore	67	52	90	24	22	95	74	126	15	46	611
Boston	193	40	227	2	6	280	91	155	3	74	1,071
Chicago	515	107	213	76	25	0	57	195	34	104	1,326
Los Angeles	1,277	45	153	0	38	0	322	86	71	185	2,177
New York-Newark	226	13	469	2	5	186	295	170	4	31	1,401
San Francisco	472	2	42	0	1	0	233	84	305	36	1,175
Other 2/	373	496	589	237	163	203	446	658	245	377	3,787
Total	3,197	874	1,857	384	357	768	1,598	1,644	688	1,090	12,457
1989:											
Atlanta	42	107	101	46	117	2	67	198	8	204	892
Baltimore	75	78	79	30	40	124	53	105	20	38	642
Boston	163	51	184	5	16	300	86	124	4	48	981
Chicago	278	97	217	76	42	0	58	205	8	120	1,101
Los Angeles	1,187	34	204	0	27	0	304	44	178	135	2,113
New York-Newark	273	52	262	7	70	182	241	105	9	19	1,220
San Francisco	444	2	42	0	1	0	235	75	219	37	1,055
Other 2/	406	514	596	256	213	167	407	633	255	319	3,766
Total	2,868	935	1,685	420	526	775	1,451	1,489	701	920	11,770

Refer to footnotes at end of table.

--Continued

Table 37--Onions, dry: Arrivals in selected U.S. cities, by major shipping points, 1982-92--continued

Year and city	Shipping point										Total
	Cali- fornia	Colo- rado	Idaho	Michigan	New Mexico	New York	Oregon	Texas	Wash- ington	Other 1/	
	1,000 cwt										
1990:											
Atlanta	48	115	97	72	125	3	69	137	11	268	945
Baltimore	107	66	92	15	34	133	45	75	22	51	640
Boston	217	49	155	1	36	284	73	99	14	99	1,027
Chicago	288	95	223	106	32	4	47	138	20	137	1,090
Los Angeles	1,206	47	222	0	20	0	341	36	182	136	2,190
New York-Newark	164	44	248	7	25	324	144	84	9	12	1,061
San Francisco	369	2	61	0	2	0	196	76	186	51	943
Other 2/	443	407	628	240	234	248	457	504	247	468	3,876
Total	2,842	825	1,726	441	508	996	1,372	1,149	691	1,222	11,772
1991:											
Atlanta	48	147	78	77	129	3	90	207	11	201	991
Baltimore	119	82	112	13	38	105	42	94	9	65	679
Boston	247	73	158	1	49	305	85	126	7	89	1,140
Chicago	281	88	150	50	40	0	70	186	27	153	1,045
Los Angeles	1,235	43	286	0	27	27	375	112	125	113	2,343
New York-Newark	344	44	320	20	44	577	202	121	16	107	1,795
San Francisco	307	8	24	0	0	0	231	69	192	22	853
Other 2/	498	468	634	277	261	185	512	254	267	742	4,098
Total	3,079	953	1,762	438	588	1,202	1,607	1,169	654	1,472	12,944
1992:											
Atlanta	50	136	107	83	146	7	115	174	30	292	1,140
Baltimore	116	64	128	17	46	101	87	75	19	52	705
Boston	245	33	190	70	36	252	98	59	24	11	1,018
Chicago	348	84	221	0	20	2	82	92	66	236	1,151
Los Angeles	1,114	5	287	0	13	0	400	39	105	69	2,032
New York-Newark	397	22	344	16	81	554	240	98	20	72	1,844
San Francisco	395	0	27	0	0	0	0	0	0	400	822
Other 2/	597	487	827	385	336	188	853	478	447	50	4,648
Total	3,262	831	2,131	571	678	1,104	1,875	1,015	711	1,152	13,360

1/ For 1992: Canada, Chile, Costa Rica, Mexico, AZ, FL, GA, IL, IN, MN, NV, OH, UT, WI.

For 1991: Same as 1992, excluding Costa Rica.

For 1986-90: Same as 1991.

For 1985: Same as 1991, adding Spain.

For 1984: Same as 1991.

For 1983: Same as 1991, excluding Chile.

For 1982: Same as 1991.

2/ For 1992: Buffalo, Cincinnati, Columbus (SC), Dallas, Detroit, Miami, New Orleans, Philadelphia, Pittsburgh, St. Louis, Seattle.

For 1990-91: Same as 1992.

For 1984-89: Same as 1992, adding Denver.

For 1982-83: Same as 1984-89, adding San Antonio.

Source: Agricultural Marketing Service, USDA.

Table 38--Onions, frozen: U.S. pack, by product, 1964-92

Year	Frozen 1/	Rings 2/			Breaded products 3/			
		Total	Breaded	Formed	Total	Natural	Extruded	Other
<i>1,000 pounds</i>								
1964	7,297							
1965	15,794							
1966	18,572							
1967	12,153	11,280	NA	NA				
1968	24,785	9,836	NA	NA				
1969	20,316	17,565	NA	NA				
1970	21,378	30,827	NA	NA				
1971	26,969	48,913	NA	NA				
1972	28,570	82,102	NA	NA				
1973	34,613	80,066	NA	NA				
1974	33,978	77,250	44,491	32,759				
1975	23,256	97,845	45,809	52,036				
1976	28,680	120,283	64,081	56,202				
1977	30,333	122,385	66,774	55,611				
1978	29,588	124,492	65,739	58,753				
1979	34,857	132,382	70,140	62,242				
1980	39,718	116,363	63,104	53,259				
1981	40,088	119,786	80,398	39,388				
1982	46,822	135,522	80,120	55,402				
1983	35,208	107,429	51,071	56,358				
1984	39,106	117,376	55,211	62,165				
1985	50,113	91,895	39,392	52,503				
1986	57,866	127,592	68,892	58,700				
1987	48,399	136,792	72,598	64,194				
1988	51,683	147,233	79,818	67,415				
1989	50,179	158,583	98,217	60,366	233,827	77,624	71,047	85,156
1990	78,331				263,121	92,914	71,880	98,327
1991	83,200				287,238	89,153	68,952	129,133
1992	85,222				193,894	52,928	64,167	76,799

NA = Not available.

1/ For 1964-92, frozen includes whole, chopped, sliced, pearl, strips. For 1964-66, rings are included.

2/ After 1988, rings are defined as frozen breaded.

3/ Comparable definitions are not available before 1989.

Source: American Frozen Food Institute.

Table 39--Onions, fresh: U.S. cold storage holdings, by end of month, 1970-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>1,000 pounds</i>												
1970	18,797	14,872	5,541	969	2,220	1,694	722	893	5,849	13,305	15,420	18,018
1971	19,340	15,053	7,685	2,359	862	1,436	680	558	3,368	10,638	11,729	17,032
1972	16,135	13,526	8,924	1,961	1,339	416	421	666	3,118	6,848	8,911	7,685
1973	8,326	6,003	3,797	359	740	403	690	781	1,798	6,534	8,446	8,061
1974	9,510	6,617	2,952	635	870	521	315	323	3,378	6,296	8,572	8,142
1975	6,807	3,937	3,291	1,865	1,884	538	277	290	3,456	7,214	9,122	8,886
1976	7,632	5,569	2,087	2,005	2,172	4,187	2,271	2,332	837	4,563	8,586	9,829
1977	8,611	8,824	5,034	905	603	537	44	884	2,766	3,922	7,285	6,336
1978	3,981	1,744	1,360	1,127	954	538	2,159	2,607	1,535	3,656	5,201	6,584
1979	6,023	5,400	2,967	2,107	1,254	844	800	253	1,747	1,487	4,298	9,913
1980	8,446	6,430	4,070	1,124	442	1,967	954	1,298	2,089	2,265	4,901	7,777
1981	6,972	4,422	3,730	1,247	591	1,828	649	143	719	665	3,219	3,474
1982	3,963	3,319	1,813	NA	NA	275	NA	NA	952	NA	NA	4,183
1983	4,407	4,116	2,988	1,042	235	325	724	385	785	1,348	8,826	8,648
1984	7,006	2,527	343	1,230	556	527	1,212	5,270	5,618	5,354	6,949	7,465
1985	5,518	4,454	2,248	810	4,806	2,804	1,280	6,205	6,526	5,890	6,128	5,171
1986	5,325	2,572	1,573	545	1,769	1,627	1,001	346	2,116	4,693	7,784	6,773
1987	5,330	2,710	1,883	1,560	2,403	1,181	137	1,276	2,500	3,823	6,641	4,406
1988	1,982	192	35	575	2,551	1,587	268	3,508	7,453	10,499	9,018	7,608
1989	4,914	2,348	70	462	670	184	140	2,133	13,283	16,492	16,000	11,858
1990	12,787	7,282	5,226	2,633	3,346	2,394	984	2,296	13,927	23,224	21,731	17,030
1991	14,387	5,918	2,885	995	2,067	2,225	1,695	2,164	26,746	35,362	29,414	9,894
1992	7,717	5,799	595	357	2,072	1,882	951	6,476	22,115	28,573	16,839	12,032
1993 1/	5,196	3,536	1,642	733	600	747	1,270	16,948	11,735	19,967	16,875	6,353

NA = Not available.

1/ Preliminary.

Source: Agricultural Marketing Service, USDA.

Table 40--Onions, frozen: U.S. cold storage holdings, by end of month, 1973-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>1,000 pounds</i>												
Rings:												
1973	9,750	8,692	8,346	7,608	6,131	7,601	7,854	7,740	7,542	8,059	8,822	9,076
1974	9,379	9,441	10,363	10,035	9,145	9,378	10,104	10,428	9,834	9,498	10,488	10,663
1975	12,494	12,573	12,258	10,216	8,674	8,352	8,689	8,156	7,540	8,111	11,240	11,406
1976	9,970	10,658	9,656	9,785	10,527	10,094	11,077	11,843	10,623	11,404	11,267	12,048
1977	15,175	12,698	10,466	8,759	8,876	9,361	8,374	8,201	7,477	8,360	8,210	10,075
1978	9,951	10,681	11,922	11,788	14,035	14,124	11,253	9,522	8,080	8,534	9,634	9,686
1979	9,963	9,969	9,777	8,903	9,889	1,074	9,518	8,903	9,248	9,364	9,682	11,611
1980	11,528	12,259	12,370	12,338	13,703	11,336	10,812	9,122	9,049	10,600	13,227	12,441
1981	12,452	12,517	11,115	9,142	9,067	8,413	9,169	8,531	9,299	10,634	10,781	10,887
1982	11,076	10,639	10,366	NA	NA	10,595	NA	NA	9,365	NA	NA	12,524
1983	12,840	12,232	12,593	11,555	10,529	9,178	9,665	8,544	9,025	9,598	8,952	9,394
1984	11,149	12,272	11,456	9,224	8,931	9,881	9,091	8,580	8,495	9,463	11,267	11,617
1985	12,840	13,512	13,715	12,087	11,091	10,939	11,416	10,459	9,318	10,486	12,389	12,211
1986	12,640	13,093	14,329	14,649	14,213	14,419	12,301	11,367	10,366	11,201	11,892	13,403
1987	13,938	15,182	15,644	13,607	13,045	11,508	9,751	8,658	7,241	9,536	9,303	9,943
1988	9,584	10,704	10,692	10,147	8,048	8,084	7,872	7,340	6,047	8,106	9,165	10,954
1989	11,202	12,497	14,542	13,720	12,866	11,746	10,068	10,292	17,467	19,350	18,612	16,672
1990	17,147	15,879	16,170	13,288	12,359	13,446	11,702	9,158	7,757	9,538	10,139	9,723
1991	10,605	11,184	12,313	11,529	10,561	9,375	9,458	8,504	8,693	7,812	7,929	7,217
1992	8,080	10,379	8,890	9,191	8,836	9,294	8,274	8,294	8,338	9,395	9,041	8,596
1993 1/	10,760	8,277	9,615	7,835	7,338	7,216	7,397	8,057	7,399	7,613	8,609	8,752
Frozen, other:												
1973	6,775	7,269	5,893	4,436	3,181	2,981	5,383	7,453	9,152	10,463	11,760	12,506
1974	13,977	15,695	16,392	16,742	16,396	15,300	16,123	19,765	18,935	17,988	17,513	18,141
1975	17,112	16,811	16,037	14,110	12,962	11,688	10,824	12,961	13,012	11,509	11,565	12,044
1976	12,464	13,461	12,531	11,471	11,068	11,711	12,278	14,210	13,280	12,860	13,906	14,665
1977	12,618	11,161	10,727	9,757	9,575	12,040	16,339	15,950	15,103	17,274	17,895	16,805
1978	17,720	16,215	14,571	15,127	14,790	14,912	15,668	16,954	15,395	15,306	14,891	14,740
1979	15,198	14,387	12,979	11,751	12,005	13,133	14,613	14,077	13,350	13,701	14,644	15,132
1980	15,188	16,415	15,262	14,624	14,918	14,738	16,303	16,384	15,746	16,222	15,694	15,571
1981	15,217	15,125	13,723	11,355	11,505	10,782	14,466	18,626	17,984	18,134	17,954	17,495
1982	15,642	14,663	14,205	NA	NA	14,147	NA	NA	19,900	NA	NA	19,355
1983	19,327	20,088	19,654	18,918	17,829	16,704	18,766	20,450	19,308	19,720	20,080	19,424
1984	19,140	17,598	15,023	13,209	11,306	11,337	13,518	12,708	10,870	10,864	12,506	11,820
1985	11,003	10,770	11,691	9,972	9,016	8,365	14,407	16,948	13,953	15,112	16,325	15,223
1986	14,526	16,547	16,615	17,937	20,317	19,816	23,940	25,024	22,776	23,649	23,864	22,312
1987	21,451	17,850	16,053	14,511	12,491	12,431	19,835	21,551	19,424	19,246	20,503	19,627
1988	17,925	17,412	17,463	17,878	21,906	20,978	23,820	28,999	26,460	23,683	23,837	22,434
1989	22,111	24,370	20,043	21,001	27,982	25,108	32,247	28,019	26,601	24,496	23,460	22,976
1990	21,578	20,869	19,525	19,942	18,410	18,568	24,248	24,728	24,231	23,787	24,802	24,698
1991	25,562	25,275	24,236	24,411	23,972	21,674	22,817	26,612	28,232	29,733	26,322	24,920
1992	27,601	25,800	22,858	21,522	21,168	18,535	22,040	25,126	27,207	27,195	27,100	25,634
1993 1/	25,246	24,648	21,336	19,061	16,384	17,571	24,457	26,828	26,219	26,145	29,205	27,349

NA = Not available.

1/ Preliminary.

Source: Agricultural Marketing Service, USDA.

Table 41--Onions, fresh: U.S. import volume, by month, 1960-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<i>1,000 pounds</i>													
1960	2,361	6,143	10,778	2,927	217	1,180	1,071	1,652	894	399	800	2,698	31,121
1961	5,221	7,410	19,330	2,484	414	1,319	1,547	1,706	1,380	1,038	2,325	1,708	45,881
1962	3,401	13,464	37,100	7,329	2,029	2,708	2,430	2,124	268	83	121	3,002	74,060
1963	7,942	6,113	12,915	2,207	310	1,430	2,147	1,227	397	538	2,475	6,475	44,175
1964	9,014	5,846	17,692	3,699	534	1,524	1,255	522	112	43	526	1,919	42,685
1965	6,118	10,323	11,344	4,774	2,943	3,430	1,943	1,372	410	232	1,661	3,762	48,313
1966	8,578	7,984	13,000	9,265	4,135	2,639	1,517	1,187	273	648	5,157	6,086	60,470
1967	9,430	9,821	17,776	3,117	342	1,279	1,477	1,150	611	437	2,407	5,724	53,571
1968	14,307	12,124	20,423	28,514	2,356	2,350	470	962	149	1,036	2,048	6,372	91,111
1969	10,926	9,810	10,545	5,035	2,580	1,387	2,053	1,026	365	460	6,047	8,619	58,853
1970	8,707	9,891	22,996	18,098	2,437	2,854	1,998	933	1,294	282	2,709	3,986	76,185
1971	7,451	10,339	11,776	4,896	1,551	2,266	1,802	1,514	1,434	744	4,150	2,959	50,882
1972	6,303	14,294	14,805	5,081	2,808	2,298	1,338	1,455	1,224	1,419	2,748	7,676	61,449
1973	16,530	20,045	43,687	33,490	10,004	3,659	2,491	2,010	1,720	1,724	5,060	7,948	148,368
1974	18,168	19,558	26,583	11,229	4,763	2,716	2,464	1,333	944	1,330	3,215	5,990	98,293
1975	10,419	13,777	23,398	15,124	3,741	2,836	1,837	1,470	990	665	1,457	5,291	81,005
1976	11,949	14,401	27,313	10,765	1,544	1,343	1,226	922	252	111	744	7,455	78,025
1977	15,526	17,491	17,800	57,498	15,587	5,663	2,009	586	425	785	2,345	8,429	144,144
1978	17,620	17,523	32,404	36,043	10,291	6,030	1,930	1,141	692	1,365	2,436	11,223	138,698
1979	18,251	22,830	38,661	43,444	9,510	6,768	3,732	1,687	1,222	574	2,998	7,707	157,384
1980	17,274	16,145	41,002	21,771	7,256	8,999	1,842	872	648	786	5,142	11,093	132,830
1981	14,534	10,863	36,968	40,387	11,749	5,708	1,772	2,679	2,069	1,616	2,033	5,767	136,145
1982	7,270	12,740	34,150	51,500	20,780	15,790	2,281	4,952	1,737	543	1,998	11,939	165,680
1983	23,762	16,796	31,636	50,317	29,246	10,720	2,004	1,267	5,148	2,790	8,833	22,410	204,929
1984	29,584	25,755	63,533	73,458	19,261	8,617	7,545	5,452	7,047	3,745	8,850	14,314	267,161
1985	24,216	31,690	65,290	40,274	25,625	18,763	11,784	9,020	2,052	4,203	7,918	22,861	263,696
1986	31,424	33,932	50,076	35,183	23,365	18,355	7,688	4,278	3,233	3,516	13,363	23,283	247,696
1987	31,126	44,809	63,414	109,002	27,123	14,610	7,286	5,027	8,251	11,408	20,158	28,946	371,160
1988	48,781	51,517	112,022	85,373	26,631	15,048	6,327	6,219	6,605	8,222	16,958	23,275	406,978
1989	32,390	46,587	84,937	54,735	33,842	20,350	12,083	8,509	9,013	11,905	18,448	26,946	359,745
1990	39,913	38,600	90,119	82,362	36,189	14,445	9,408	10,086	8,490	8,929	18,468	19,990	376,998
1991	38,167	46,031	125,311	111,501	43,199	19,336	12,690	11,619	10,858	15,151	27,261	30,614	491,740
1992	43,558	43,804	83,543	103,960	30,161	14,627	10,870	8,695	10,254	15,434	22,312	30,139	417,355
1993	36,627	56,426	126,746	75,734	49,929	18,744	14,253	14,316	20,832	20,734	33,456	36,300	504,097

1/ Onion import data as reported by the U.S. Department of Commerce include green onions.

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

Table 42--Onions, fresh: U.S. export volume, by month, 1960-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<i>1,000 pounds</i>													
1960	6,314	6,433	7,428	8,156	14,987	15,576	7,004	8,062	4,345	3,943	15,724	6,375	104,346
1961	12,793	7,466	15,937	11,899	12,524	12,912	6,523	2,781	3,082	3,398	5,315	5,739	100,369
1962	5,491	4,598	5,522	14,517	16,309	13,265	6,129	2,849	4,200	5,679	15,348	20,170	114,075
1963	14,325	30,531	13,534	5,404	13,079	11,852	8,521	3,838	4,956	5,082	9,099	11,668	131,889
1964	10,464	5,595	4,891	5,302	11,186	16,287	7,318	6,280	3,454	6,042	4,686	4,893	86,397
1965	7,717	10,147	25,263	10,943	9,081	14,656	8,948	6,060	4,709	8,559	7,793	9,464	123,342
1966	18,391	8,660	9,248	4,902	12,712	14,339	9,129	8,815	5,186	3,832	5,882	7,697	108,791
1967	7,377	8,205	12,560	29,092	31,192	38,566	18,663	6,373	4,996	5,865	5,258	8,552	176,699
1968	10,162	6,419	3,960	12,673	26,814	22,069	14,564	4,499	5,484	4,742	4,559	4,466	120,410
1969	6,327	7,062	9,697	16,802	18,059	23,078	20,232	8,412	4,440	5,118	8,618	10,811	138,657
1970	15,341	9,628	6,975	7,764	35,108	18,945	12,789	4,682	2,738	5,010	10,276	17,904	147,160
1971	17,444	11,543	11,693	18,550	11,571	15,550	15,671	7,877	3,079	5,844	6,199	11,996	137,018
1972	10,106	12,787	8,442	18,429	11,366	15,116	14,677	5,776	4,400	9,551	8,694	9,473	128,817
1973	12,347	6,249	7,298	7,830	27,529	20,211	12,867	7,270	8,303	25,368	32,699	18,185	186,155
1974	20,837	9,757	11,194	10,238	10,509	10,039	11,057	5,938	4,993	11,343	22,370	19,355	147,629
1975	18,753	11,614	8,179	11,544	12,320	17,877	14,448	7,399	9,058	8,918	13,835	18,527	152,473
1976	21,250	22,262	21,494	17,762	18,575	16,336	13,339	9,683	24,702	46,934	57,819	56,426	326,583
1977	30,027	15,488	9,099	12,968	19,569	20,848	14,449	11,082	12,745	12,725	10,726	19,469	189,195
1978	29,767	38,490	15,571	11,027	14,495	21,097	21,366	13,081	10,627	24,301	41,980	39,711	281,513
1979	26,522	11,804	8,873	10,059	13,827	17,499	16,766	15,507	11,871	14,638	16,150	24,040	187,555
1980	18,486	31,126	21,988	19,952	22,961	19,240	26,540	17,267	23,163	25,736	36,793	33,338	296,590
1981	29,503	16,402	12,408	10,485	17,898	24,113	28,027	23,631	38,739	102,417	92,394	27,568	423,583
1982	15,512	10,763	9,850	12,680	16,351	16,001	14,215	11,536	9,719	12,117	13,494	18,251	160,490
1983	14,879	12,678	16,160	14,025	21,602	16,562	19,718	20,584	22,857	23,513	24,568	19,045	226,190
1984	16,538	20,113	16,317	9,675	21,974	19,332	17,590	20,716	37,361	34,441	42,446	55,396	311,898
1985	27,832	21,006	12,893	12,316	17,469	15,845	13,506	13,587	9,306	13,728	19,801	17,122	194,411
1986	18,659	24,490	19,347	20,258	17,172	17,657	26,897	28,720	19,688	26,936	21,711	19,224	260,759
1987	16,339	14,654	15,191	11,843	22,713	33,322	35,521	17,527	17,339	25,140	30,090	39,723	279,401
1988	39,145	15,685	18,151	20,124	25,570	23,734	19,900	28,207	38,269	37,656	34,212	22,445	323,099
1989	26,064	18,334	12,402	12,228	16,088	16,073	18,072	16,118	23,166	39,577	29,684	23,063	250,869
1990	27,942	26,236	12,663	12,104	18,242	19,629	22,748	19,900	24,507	41,567	57,319	44,337	327,192
1991	29,434	21,717	19,073	14,940	18,459	21,225	22,963	18,378	29,497	44,872	44,596	30,128	315,282
1992	31,124	19,221	15,983	13,669	22,488	27,855	29,277	24,144	42,014	39,926	35,626	26,445	327,771
1993	22,187	19,810	19,490	16,648	33,332	39,422	42,420	63,604	44,547	34,352	26,936	24,239	386,988

1/ 1978-89 include Canadian imports substituted for U.S. reported exports to Canada. After 1990, Canadian imports are reported by the U.S. Department of Commerce. Includes green onions, excludes onion sets.

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

Table 43--Onions, fresh: U.S. supply, utilization, and per capita disappearance, farm weight, 1970-93 1/

Year	Supply				Utilization				Per capita
	Production 2/	Imports 3/ 4/	Beginning stocks	Total	Exports 3/ 4/	Ending stocks 5/	Shrink and loss 2/	Total 6/	
	<i>Million pounds</i>								<i>Pounds</i>
1970	2,602	83	446	3,131	147	554	350	2,080	10.1
1971	2,490	60	554	3,104	137	490	250	2,227	10.7
1972	2,450	70	490	3,009	129	398	237	2,245	10.7
1973	2,502	157	398	3,057	186	476	225	2,170	10.2
1974	2,748	109	476	3,333	148	512	281	2,392	11.2
1975	2,544	91	512	3,147	152	443	283	2,269	10.5
1976	3,086	88	443	3,617	327	510	381	2,400	11.0
1977	2,919	154	510	3,583	189	530	427	2,437	11.1
1978	3,053	149	530	3,732	249	641	379	2,462	11.1
1979	3,151	169	641	3,961	157	758	440	2,606	11.6
1980	2,902	143	758	3,803	299	618	297	2,590	11.4
1981	2,985	146	618	3,748	426	576	277	2,468	10.7
1982	3,396	177	576	4,149	163	699	444	2,843	12.2
1983	3,219	217	699	4,135	227	684	374	2,850	12.2
1984	3,605	264	684	4,553	313	766	383	3,091	13.1
1985	3,803	282	766	4,851	195	752	655	3,249	13.6
1986	3,605	263	752	4,621	261	652	402	3,306	13.7
1987	3,762	388	652	4,802	282	794	470	3,256	13.4
1988	3,874	425	794	5,093	323	792	413	3,565	14.5
1989	4,021	364	792	5,177	257	836	433	3,651	14.8
1990	4,397	382	836	5,615	378	867	602	3,767	15.1
1991	4,266	496	867	5,629	345	905	402	3,976	15.7
1992	4,689	421	905	6,016	360	920	607	4,129	16.2
1993	4,669	510	920	6,099	438	955	489	4,217	16.3

1/ Includes onions destined for canning or freezing.

2/ Source: National Agricultural Statistics Service, USDA. Production adjusted by ERS from 1970-81 for States not included in NASS estimates. Since 1979, excludes 76 percent of California's summer storage production intended for dehydration.

3/ Source: Bureau of the Census, U.S. Department of Commerce. From 1978-89, exports were adjusted, using Canadian imports.

4/ Includes green onions, onion sets, and canned (imports). Excludes dehydrated.

5/ Approximated from State marketings.

6/ Shipments to U.S. territories in 1978-88 were subtracted from total disappearance.

Table 44--Onions, dehydrating: U.S. supply, utilization, and per capita disappearance, farm weight, 1970-93 1/

Year	Supply				Utilization			Per capita	
	Production 2/	Imports 3/ 4/	Beginning stocks 5/	Total	Exports 3/ 4/	Ending stocks 5/	Shrink and loss 6/		Total
	<i>Million pounds</i>								<i>Pounds</i>
1970	470.0	0.7	8.1	478.8	219.9	11.1	5.7	242.0	1.2
1971	510.0	0.5	11.1	521.6	190.7	8.2	13.0	309.8	1.5
1972	409.2	3.0	8.2	420.3	221.8	5.6	9.1	183.9	0.9
1973	499.1	1.9	5.6	506.6	246.7	7.4	7.8	244.7	1.2
1974	594.0	11.0	7.4	612.4	262.9	7.0	12.4	330.1	1.5
1975	639.0	0.9	7.0	646.9	202.6	8.9	11.2	424.3	2.0
1976	490.0	0.3	8.9	499.2	305.3	15.4	13.0	165.5	0.8
1977	585.2	0.4	15.4	600.9	282.8	13.8	10.0	294.3	1.3
1978	588.4	1.2	13.8	603.4	297.5	21.2	16.4	268.3	1.2
1979	722.3	0.5	21.2	744.0	287.5	27.1	18.0	411.4	1.8
1980	456.0	0.8	27.1	484.0	334.4	13.8	10.5	125.3	0.6
1981	533.9	2.1	13.8	549.7	383.3	14.8	11.1	140.6	0.6
1982	790.0	0.2	14.8	805.0	346.6	17.9	11.0	429.5	1.8
1983	697.6	0.3	17.9	715.8	362.6	17.5	11.0	324.7	1.4
1984	701.5	2.2	17.5	721.3	372.0	19.6	9.8	319.8	1.4
1985	703.0	1.2	19.6	723.9	348.8	19.3	24.9	331.0	1.4
1986	756.4	0.8	19.3	776.5	325.7	16.7	10.0	424.1	1.8
1987	749.4	0.2	16.7	766.3	405.9	20.4	16.0	324.0	1.3
1988	798.9	2.9	20.4	822.2	445.8	20.3	14.0	342.1	1.4
1989	769.5	48.1	20.3	838.0	407.7	21.4	10.0	398.8	1.6
1990	880.8	95.7	21.4	997.9	430.2	22.2	11.7	533.8	2.1
1991	804.2	46.9	22.2	873.4	443.0	23.2	8.7	398.5	1.6
1992	783.8	43.8	23.2	850.8	444.7	23.6	13.8	368.7	1.4
1993	990.7	59.4	23.6	1,073.6	502.0	22.5	15.7	533.5	2.1

1/ Excludes onions for fresh, canning, and freezing.

2/ Since 1979, estimated as 76 percent of California summer crop.

3/ Product-weight data was converted to fresh basis using factor of 9.0.

4/ Data from FATUS, USDA-ERS.

5/ Stocks are for raw product to be processed and do not include finished inventory. Estimated as 80 percent of California summer onion stocks from 1970-80.

Since 1980, estimated as 2.5 percent of U.S. Jan. 1 onion inventory.

6/ Estimated as 50 percent of California's summer crop shrinkage and loss (assumes lower shrink in processing).

Table 45--Onions, fresh: U.S. f.o.b. price, by month, 1960-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	\$/cwt											
1960	1.90	1.70	1.95	2.80	2.75	2.50	3.30	3.00	2.20	1.95	2.00	2.05
1961	2.55	3.25	2.40	3.15	2.90	4.30	4.60	3.70	2.75	3.40	3.65	4.20
1962	6.00	7.10	7.00	5.10	3.60	3.90	3.25	3.05	2.40	2.30	2.40	2.30
1963	2.50	2.75	3.10	3.60	4.50	4.60	4.95	4.00	3.15	3.20	3.65	3.70
1964	3.60	3.55	3.60	2.70	2.50	2.65	3.20	2.90	3.10	3.25	3.30	3.35
1965	3.05	2.50	2.85	3.25	5.40	6.00	5.10	4.10	2.65	2.40	2.05	1.85
1966	2.00	2.75	2.80	6.20	6.50	4.90	6.00	4.60	4.15	4.15	4.60	5.10
1967	6.57	6.30	5.38	3.74	3.62	3.19	3.99	3.86	3.60	3.76	4.20	4.20
1968	4.91	5.75	8.68	8.71	4.88	3.58	4.51	3.98	3.71	3.57	3.43	3.18
1969	2.83	2.41	2.51	2.92	3.52	3.68	4.67	4.30	4.22	4.17	4.36	4.64
1970	6.36	6.95	6.82	6.41	4.70	5.15	4.99	3.92	3.35	3.14	3.02	2.95
1971	3.40	3.14	3.52	3.73	3.79	4.17	4.43	4.89	4.43	4.64	4.26	4.56
1972	4.76	4.08	3.85	4.49	5.48	6.64	8.20	8.02	6.69	6.25	6.52	6.84
1973	8.92	11.80	17.50	23.70	13.00	8.50	7.29	6.08	5.54	5.97	6.91	7.24
1974	10.40	10.50	6.30	4.85	4.79	5.24	6.07	7.11	6.34	5.39	4.57	4.27
1975	3.90	4.61	7.59	12.30	10.60	12.70	17.70	14.20	11.70	9.72	9.80	11.50
1976	11.10	8.85	7.01	7.22	6.18	5.49	5.65	5.41	5.77	5.36	5.53	6.80
1977	11.70	14.30	19.50	18.70	10.60	9.00	8.57	6.88	6.40	6.49	6.39	5.50
1978	4.87	4.69	8.59	11.80	6.97	7.64	9.85	9.14	7.13	6.44	7.05	9.53
1979	10.60	11.40	9.19	9.08	8.29	11.40	13.30	9.74	7.92	6.42	6.23	5.54
1980	4.73	4.34	5.32	6.94	10.00	10.70	9.19	10.30	10.30	10.90	11.50	14.20
1981	15.40	17.20	23.60	26.10	22.40	18.10	17.70	15.40	11.50	12.80	14.80	14.69
1982	17.60	17.40	13.20	12.70	12.60	9.43	11.90	12.60	7.83	7.12	6.90	6.35
1983	5.13	6.35	7.59	10.70	10.60	9.62	10.70	10.90	10.80	11.00	12.90	18.30
1984	17.30	19.40	25.20	25.30	13.90	11.00	14.00	13.60	11.00	9.52	10.30	11.90
1985	10.20	8.82	7.93	9.09	12.90	10.90	18.80	11.20	7.61	6.41	6.97	8.19
1986	7.84	6.89	7.26	9.71	9.45	10.80	11.20	9.72	10.30	11.10	11.50	12.40
1987	16.50	18.30	20.60	26.30	22.30	16.80	14.90	10.60	9.71	8.77	9.38	10.60
1988	15.70	15.70	15.00	16.80	8.90	8.52	10.40	8.97	12.50	12.10	12.20	12.00
1989	11.50	10.90	9.70	10.90	9.47	12.90	16.90	16.00	11.20	10.10	9.62	9.70
1990	10.90	15.70	18.40	19.40	13.40	10.50	9.49	10.80	9.01	8.29	9.54	10.90
1991	13.80	10.20	11.90	18.40	21.50	14.10	17.70	12.90	11.20	10.00	10.60	10.40
1992	10.70	12.80	20.80	23.60	12.40	10.00	12.20	13.80	12.40	11.60	12.00	14.80
1993	16.60	14.00	17.30	31.00	23.60	10.40	12.60	14.70	13.20	12.10	19.00	24.10

Source: National Agricultural Statistics Service, USDA.

Table 46--Onions, fresh: U.S. f.o.b. price, by month, by seasonal type, 1960-93

Year and seasonal type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	\$/cwt											
Spring 1/												
1960	--	2.85	2.75	3.80	2.45	2.35	2.75	--	--	--	--	--
1961	--	4.60	4.60	3.25	2.80	4.20	3.50	--	--	--	--	--
1962	--	--	7.80	5.00	3.65	3.70	3.50	--	--	--	--	--
1963	--	--	4.25	3.55	4.40	4.60	4.60	3.00	4.00	--	--	--
1964	--	--	4.15	2.42	2.91	2.62	2.40	--	--	--	--	--
1965	--	4.00	3.90	3.90	6.28	5.91	5.00	--	--	--	--	--
1966	--	--	5.70	5.80	6.35	4.69	5.00	--	--	--	--	--
1967	--	7.20	5.50	3.65	3.50	3.19	3.30	--	--	--	--	--
1968	--	--	10.80	8.80	4.79	3.24	3.80	--	--	--	--	--
1969	--	2.85	3.55	3.40	3.75	3.77	4.30	--	--	--	--	--
1970	--	--	8.10	5.30	4.76	4.56	4.10	--	--	--	--	--
1971	--	--	4.20	4.25	3.78	3.95	3.65	--	--	--	--	--
1972	--	--	4.40	4.62	5.54	6.29	6.80	--	--	--	--	--
1973	--	--	19.10	23.80	12.80	8.35	6.25	--	--	--	--	--
1974	--	10.30	7.10	4.74	4.78	4.85	5.27	--	--	--	--	--
1975	--	13.00	13.00	12.60	10.70	12.00	14.60	--	--	--	--	--
1976	--	9.10	6.90	7.09	6.08	5.25	4.05	--	--	--	--	--
1977	--	--	--	19.10	10.50	8.49	7.52	--	--	--	--	--
1978	--	--	12.10	12.30	6.62	7.51	8.42	--	--	--	--	--
1979	--	--	10.70	10.10	8.28	11.10	11.20	--	--	--	--	--
1980	--	--	6.90	7.17	10.20	10.80	8.37	--	--	--	--	--
1981	--	--	26.30	26.80	22.50	18.50	15.50	--	--	--	--	--
1982	--	--	12.30	12.70	12.60	9.99	7.91	--	--	--	--	--
1983	--	--	12.20	11.60	10.70	9.98	10.50	--	--	--	--	--
1984	--	--	25.80	25.70	13.70	11.20	13.30	--	--	--	--	--
1985	--	--	10.10	10.10	13.20	11.30	19.50	--	--	--	--	--
1986	--	--	9.53	9.71	9.28	11.00	11.00	--	--	--	--	--
1987	--	--	--	26.40	22.30	16.20	15.20	--	--	--	--	--
1988	--	--	17.60	15.30	8.91	8.54	8.94	--	--	--	--	--
1989	--	--	9.70	10.90	9.51	11.50	15.40	--	--	--	--	--
1990	--	--	--	20.00	13.40	10.30	8.45	--	--	--	--	--
1991	--	--	15.10	19.40	21.50	13.20	14.60	--	--	--	--	--
1992	--	--	33.10	23.80	12.40	9.15	11.10	--	--	--	--	--
1993	--	--	25.40	33.10	23.80	10.40	10.90	--	--	--	--	--

Refer to footnotes at end of table.

--Continued

Table 46--Onions, fresh: U.S. f.o.b. price, by month, by seasonal type, 1960-93--continued

Year and seasonal type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	\$/cwt											
Summer nonstorage 2/:												
1960	--	--	--	--	3.40	2.55	3.55	3.35	3.00	2.45	1.85	2.10
1961	--	--	--	--	4.55	4.50	5.00	5.00	4.25	3.40	3.25	3.30
1962	--	--	--	--	4.00	4.40	3.20	3.25	2.55	2.50	2.50	2.20
1963	--	--	--	--	4.50	4.70	5.20	4.60	3.40	3.75	3.30	3.30
1964	--	--	--	--	2.50	2.80	3.43	2.80	3.39	3.67	3.97	3.30
1965	--	--	--	--	6.20	6.05	5.28	4.83	3.43	2.97	2.53	2.10
1966	--	--	--	--	5.93	5.12	6.34	4.64	4.46	4.38	4.51	4.61
1967	--	--	--	--	3.55	3.17	4.32	3.88	3.68	3.59	4.15	4.31
1968	4.65	4.65	--	--	4.50	3.86	4.83	4.18	3.83	3.51	4.87	4.74
1969	--	--	--	--	3.75	3.62	3.76	4.40	4.48	4.33	5.90	6.30
1970	--	--	--	--	4.75	5.79	5.53	3.96	3.32	3.84	3.37	3.65
1971	--	--	--	--	4.15	4.46	4.62	5.00	4.56	4.75	5.53	7.40
1972	7.60	--	--	--	--	7.11	8.69	8.64	8.37	6.81	7.95	8.10
1973	--	--	--	--	12.90	8.81	7.57	6.48	6.47	6.70	6.91	--
1974	--	--	--	--	4.90	5.84	6.58	7.57	6.35	6.26	5.91	5.90
1975	--	--	--	--	10.80	14.40	19.00	16.00	13.60	13.50	14.50	16.00
1976	--	--	--	--	6.60	5.83	6.28	5.46	6.47	6.28	6.32	--
1977	--	--	--	--	10.50	10.10	9.24	7.83	7.52	6.23	--	--
1978	--	--	--	--	8.20	7.82	10.40	9.97	7.02	7.20	7.20	--
1979	--	--	--	--	10.40	12.10	14.60	10.00	10.40	10.40	10.90	--
1980	--	--	--	--	--	10.50	9.32	10.30	12.30	12.00	--	--
1981	--	--	--	--	--	17.30	19.00	16.90	14.50	11.00	11.50	--
1982	--	--	--	--	--	7.60	13.50	14.40	9.18	--	--	--
1983	--	--	--	--	--	8.02	10.80	10.20	11.00	--	--	--
1984	--	--	--	--	--	10.40	14.30	12.50	10.50	--	--	--
1985	--	--	--	--	8.70	9.82	19.60	11.00	8.23	--	--	--
1986	--	--	--	--	11.50	10.10	11.30	8.61	--	13.00	13.00	--
1987	--	--	--	--	15.60	17.90	14.60	8.40	9.70	--	9.00	9.00
1988	--	--	--	--	8.30	8.49	11.30	7.93	6.85	--	--	--
1989	--	--	--	--	7.90	15.00	17.90	14.80	8.50	--	--	--
1990	--	--	--	--	--	10.80	10.10	9.89	8.50	--	--	--
1991	--	--	--	--	20.10	15.80	18.90	12.40	10.20	--	--	--
1992	--	--	--	--	--	11.00	12.80	15.80	--	--	--	--
1993	--	--	--	--	14.60	10.30	13.80	14.40	13.10	--	--	--

Refer to footnotes at end of table.

--Continued

Table 46--Onions, fresh: U.S. f.o.b. price, by month, by seasonal type, 1960-93--continued

Year and seasonal type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	\$/cwt											
Summer storage 3/:												
1960	1.90	1.70	1.85	1.60	1.50	--	2.70	2.85	2.20	1.95	2.00	2.05
1961	2.55	3.20	2.20	2.25	2.10	2.40	3.45	3.20	2.70	3.35	3.65	4.20
1962	6.00	7.10	6.90	4.40	3.20	--	3.00	2.95	2.35	2.30	2.40	2.30
1963	2.50	2.75	2.80	3.05	3.45	3.70	4.25	3.85	3.15	3.20	3.65	3.70
1964	3.61	3.54	3.49	2.41	1.60	1.60	2.92	2.97	3.06	3.25	3.33	3.37
1965	3.04	2.48	2.45	2.72	3.15	--	3.87	3.76	2.61	2.38	2.06	1.83
1966	2.00	2.73	2.78	3.94	5.82	4.00	5.66	4.56	4.10	4.14	4.56	5.08
1967	6.57	6.28	5.29	4.23	3.00	--	4.30	3.84	3.60	3.77	4.20	4.20
1968	4.92	5.76	8.63	8.39	5.30	--	4.51	3.85	3.69	3.57	3.40	3.15
1969	2.83	2.40	2.31	2.03	1.86	--	5.08	4.22	4.20	4.17	4.35	4.52
1970	6.36	6.95	6.53	7.40	5.70	--	4.75	3.91	3.35	3.11	3.01	2.94
1971	3.40	3.14	3.26	2.55	2.38	--	5.82	4.82	4.41	4.63	4.25	4.53
1972	4.73	4.08	3.67	3.68	4.21	--	8.56	7.64	6.52	6.24	6.47	6.81
1973	8.92	11.80	17.30	22.90	37.00	--	7.69	5.67	5.36	5.93	6.91	7.24
1974	10.40	10.50	6.13	5.51	4.00	--	5.83	6.72	6.33	5.36	4.56	4.25
1975	3.90	4.42	6.84	10.30	10.20	14.40	18.60	14.20	11.70	9.72	9.80	11.50
1976	11.10	8.84	7.01	8.70	7.42	5.83	6.21	5.38	5.52	5.50	5.62	6.90
1977	11.70	14.30	19.50	17.20	12.50	10.10	9.11	6.88	6.40	6.49	6.39	5.50
1978	4.87	4.69	7.88	9.70	8.94	7.82	10.30	9.16	7.13	6.44	7.05	9.53
1979	10.60	11.40	9.12	7.86	8.37	12.10	13.80	9.74	7.92	6.42	6.23	5.54
1980	4.73	4.34	5.07	6.38	5.24		9.62	10.40	10.30	10.90	11.50	14.20
1981	15.40	17.20	23.40	21.50	22.20	21.70	15.10	14.60	11.40	12.80	14.80	14.60
1982	17.60	17.40	13.70	12.40	12.30	12.30	8.60	11.20	7.79	7.12	6.90	6.35
1983	5.13	6.35	6.86	7.93	9.40	--	10.50	12.00	10.80	11.00	12.90	18.30
1984	17.30	19.40	25.20	23.60	23.50	--	13.60	14.30	11.00	9.52	10.30	11.90
1985	10.20	8.91	7.81	7.23	9.50	--	18.00	11.30	7.59	6.40	6.97	8.19
1986	7.70	7.01	6.73	8.31	9.70	9.60	11.40	10.40	10.90	12.00	10.60	11.80
1987	16.50	18.30	20.60	25.90	--	--	15.20	11.40	9.71	8.77	9.41	10.70
1988	15.70	15.70	14.70	20.70	--	--	9.17	9.66	12.60	12.10	12.20	12.00
1989	11.50	10.90	9.70	10.90	--	--	15.00	17.00	11.20	10.10	9.62	9.70
1990	10.90	15.70	18.40	17.80	--	--	8.45	11.70	9.03	8.29	9.54	10.90
1991	13.80	10.20	11.70	14.40	--	--	14.70	13.10	11.20	10.00	10.60	10.40
1992	10.70	12.80	20.30	22.50	--	--	11.10	13.40	12.40	11.60	12.00	14.80
1993	16.60	14.00	16.30	19.40	--	--	10.90	14.80	13.20	12.10	19.00	24.10

-- = Insufficient quantity to obtain price.

1/ 1960-71: Texas early spring only for February and March; late-spring States for other months.

2/ 1960-71: Early-summer States.

3/ 1960-71: Late-summer States.

Source: National Agricultural Statistics Service, USDA.

Table 47--Onions, fresh: Wholesale price, by month, Chicago, 1970-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>\$/50-lb. sack</i>												
1970	4.24	4.74	4.71	3.90	NA	3.23	3.14	3.42	2.68	2.66	2.69	2.75
1971	3.34	3.42	3.76	3.25	NA	3.91	3.40	3.32	3.14	3.60	3.56	3.82
1972	4.75	4.36	3.84	3.88	5.85	5.68	6.16	6.10	4.61	4.33	4.64	4.95
1973	6.08	6.72	12.06	14.75	9.00	6.38	6.01	3.45	3.66	4.13	5.26	5.08
1974	7.20	7.72	4.00	3.71	4.50	4.02	4.33	4.50	4.55	4.60	4.25	3.60
1975	3.58	3.62	6.94	8.12	NA	8.39	12.55	11.30	8.28	7.38	7.35	9.10
1976	8.78	6.31	5.20	5.10	NA	4.54	4.53	4.28	3.86	3.78	4.08	5.42
1977	7.12	9.06	13.53	12.75	7.00	6.22	6.72	6.43	4.60	4.76	4.95	4.76
1978	4.60	3.84	7.38	8.00	NA	6.69	7.88	6.70	5.38	5.64	6.50	9.00
1979	10.80	12.63	10.00	8.50	7.50	9.88	10.90	7.29	5.65	5.35	5.35	5.15
1980	4.69	4.53	4.35	4.67	NA	8.83	7.25	7.38	8.20	7.43	8.06	10.32
1981	10.94	11.00	17.25	15.50	17.13	14.17	12.50	9.13	8.25	9.09	11.25	11.05
1982	14.13	14.19	8.60	6.95	9.42	7.30	7.31	7.38	7.69	6.97	5.70	4.88
1983	4.88	5.35	6.15	7.75	5.62	6.63	8.13	8.13	6.66	7.16	8.50	13.13
1984	13.85	14.00	18.50	15.38	8.04	7.75	9.65	11.50	7.33	7.30	7.75	9.75
1985	8.92	7.94	7.68	10.03	7.83	7.81	16.05	9.25	6.00	5.47	5.72	6.60
1986	6.75	6.13	5.95	5.97	5.38	8.44	7.44	6.50	6.93	7.31	7.63	8.40
1987	11.00	11.93	14.30	15.75	15.90	11.00	13.38	8.17	6.72	6.00	6.60	7.03
1988	9.75	9.90	9.19	9.38	7.20	6.63	8.34	7.00	8.38	8.95	9.31	9.25
1989	9.25	8.69	6.75	5.56	7.50	12.88	14.56	11.63	8.33	7.40	7.50	7.06
1990	9.25	11.94	14.15	11.81	10.42	8.75	8.19	7.60	7.00	6.17	6.47	7.85
1991	9.56	8.31	7.56	15.10	16.50	10.81	12.10	9.00	7.50	6.56	7.63	7.55
1992	NA	9.08	14.30	22.13	8.18	7.88	9.81	8.83	7.69	7.69	9.10	10.44
1993	11.30	9.81	11.25	18.50	16.80	8.13	8.05	9.33	9.38	8.25	12.31	15.75

NA = Not available.

1/ Mostly large or jumbo, yellow Spanish or Grano, U.S. No. 1 or generally good quality.

Source: Agricultural Marketing Service, USDA.

Table 48--Onions, fresh: Wholesale price, by month, New York, 1970-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>\$/50-lb. sack</i>												
1970	4.55	5.04	5.01	4.92	3.00	3.61	3.49	3.48	3.09	2.92	2.86	2.95
1971	3.59	3.70	4.03	3.88	3.60	4.45	3.78	3.62	3.41	3.79	3.79	4.10
1972	4.75	4.36	3.84	3.88	5.85	5.68	6.16	6.10	4.61	4.33	4.64	4.95
1973	6.24	7.68	12.31	15.75	9.62	6.31	6.18	4.45	3.78	4.34	5.40	5.56
1974	7.15	8.00	4.84	4.15	4.47	4.51	4.54	5.25	4.95	4.90	4.64	4.17
1975	3.89	4.09	7.00	8.92	7.62	8.79	12.60	12.67	9.75	7.65	7.65	9.35
1976	8.78	6.31	5.20	5.10	3.93	4.54	4.53	3.75	3.86	3.78	4.08	5.42
1977	7.76	9.50	13.87	12.33	8.90	7.00	6.88	6.70	5.00	5.06	5.25	4.98
1978	4.65	4.64	7.00	8.58	5.13	7.38	8.31	8.38	6.00	5.95	6.50	9.38
1979	11.65	13.17	11.33	9.75	8.50	11.50	9.64	6.00	5.85	5.38	5.30	5.28
1980	5.16	4.97	4.75	5.35	10.67	10.00	7.35	7.25	8.48	7.63	8.37	10.45
1981	11.13	11.56	16.20	18.00	14.00	14.63	12.63	11.50	8.30	9.37	11.37	11.55
1982	14.88	14.50	7.95	8.17	8.25	7.50	7.50	9.00	6.75	6.00	5.75	5.13
1983	5.24	5.72	6.80	8.25	5.00	5.08	7.75	7.50	7.25	7.59	8.90	13.38
1984	14.00	14.50	18.31	18.25	13.00	8.25	11.85	11.06	7.15	7.81	8.25	9.94
1985	8.80	8.56	8.13	10.69	4.00	8.25	13.00	7.00	6.50	NA	5.83	7.05
1986	6.55	5.63	5.88	5.58	6.50	7.33	8.38	7.92	6.50	7.25	8.31	9.06
1987	11.19	12.13	14.35	16.50	14.33	11.50	13.00	9.17	7.19	6.44	7.12	7.63
1988	10.06	9.95	8.94	9.08	5.50	7.06	8.06	7.20	8.94	9.25	9.53	9.50
1989	9.18	8.75	6.50	6.81	6.75	14.83	15.63	11.00	9.13	8.05	8.19	7.88
1990	10.25	12.50	13.75	11.75	11.75	9.56	9.05	8.50	7.56	7.71	7.56	8.37
1991	10.30	8.50	8.63	NA	17.33	12.19	13.38	9.83	7.75	7.13	7.88	7.70
1992	16.50	16.50	NA	19.63	13.67	13.50	NA	16.75	14.00	15.50	16.40	15.50
1993	10.44	9.38	12.63	19.25	15.88	9.00	10.17	11.00	9.75	7.60	12.57	15.70

NA = Not available.

1/ Mostly large or jumbo, yellow Spanish or Grano, U.S. No. 1 or generally good quality.

Source: Agricultural Marketing Service, USDA.

Table 49--Onions, fresh: U.S. retail price, by month, 1960-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Cents/lb.</i>												
1960	8.9	8.4	8.1	9.1	10.1	10.0	10.2	10.1	9.3	8.6	8.6	8.5
1961	8.6	9.8	9.7	9.8	10.2	10.9	12.3	12.0	10.5	9.9	9.9	10.3
1962	10.9	14.9	15.1	14.9	13.6	13.0	12.6	11.7	10.3	10.0	9.7	9.8
1963	9.8	10.3	10.2	10.8	11.6	12.8	13.2	13.5	11.4	10.9	10.8	11.4
1964	11.4	11.4	11.6	11.5	11.1	11.3	11.5	11.5	10.7	10.8	10.8	11.0
1965	11.1	11.2	10.6	11.3	11.8	14.9	15.1	14.0	12.0	11.0	10.3	10.0
1966	9.6	10.3	10.6	11.4	14.2	15.1	14.7	16.2	13.7	13.4	12.9	13.1
1967	13.5	15.0	14.9	14.2	13.7	13.6	13.8	14.5	13.3	12.7	12.6	13.0
1968	13.0	14.0	15.2	18.5	17.5	16.2	15.4	15.2	14.1	13.6	13.3	13.5
1969	13.4	13.1	12.6	12.7	13.3	13.8	14.4	15.5	14.2	13.7	13.6	13.9
1970	14.3	17.0	17.5	18.5	18.4	17.7	17.7	16.8	15.0	13.9	13.4	13.3
1971	13.1	13.2	13.1	13.4	14.2	14.7	15.2	15.8	15.2	15.0	14.5	14.4
1972	14.5	14.7	14.4	14.7	15.4	16.8	20.3	21.3	21.6	19.3	19.3	19.7
1973	20.3	24.0	28.9	34.5	41.6	27.8	24.1	23.4	19.3	18.8	19.3	20.3
1974	20.0	25.5	25.3	21.4	19.5	20.6	20.2	21.7	20.6	19.7	18.2	17.0
1975	16.2	15.4	17.1	20.6	27.8	29.2	32.7	38.0	26.7	24.0	23.0	22.7
1976	25.2	25.3	23.2	24.1	25.5	24.2	23.0	23.3	21.7	20.8	20.2	21.2
1977	21.9	31.0	33.2	42.3	40.0	32.1	30.6	27.8	23.5	22.1	21.5	22.6
1978	21.5	21.7	21.6	25.5	28.2	27.0	NA	NA	NA	NA	NA	NA
1979	NA											
1980	21.9	21.0	20.6	22.3	26.5	34.0	32.2	31.0	29.3	28.8	28.7	30.3
1981	33.8	37.6	43.9	47.4	47.1	46.2	43.7	43.2	35.5	32.9	33.8	34.7
1982	36.7	40.0	38.6	33.4	35.7	34.7	35.0	33.4	28.3	25.1	24.2	23.3
1983	22.7	22.1	23.8	28.1	31.6	30.7	31.5	33.0	31.4	30.2	31.2	36.1
1984	40.0	42.1	46.0	51.3	38.7	34.8	35.5	36.0	31.8	29.1	27.6	29.8
1985	30.2	28.7	26.1	26.3	28.0	31.4	40.7	36.2	28.0	26.0	25.9	26.9
1986	28.0	27.9	27.6	28.6	31.6	34.2	33.9	33.0	30.6	31.3	33.3	34.3
1987	35.5	41.2	45.3	52.7	54.7	49.0	49.8	39.4	35.9	33.1	32.7	32.8
1988	36.3	40.9	43.5	42.7	40.4	34.2	35.8	36.0	35.2	36.0	36.5	36.7
1989	36.5	35.4	33.3	34.1	36.1	36.2	43.2	40.6	37.8	34.1	33.1	32.4
1990	33.3	34.2	41.2	46.5	45.0	41.3	38.8	35.6	34.4	NA	NA	NA
1991	38.1	39.7	37.8	46.0	53.9	57.8	53.6	45.4	39.2	35.1	34.7	36.9
1992	36.3	35.8	40.7	55.6	42.8	42.9	42.8	44.3	43.5	39.9	41.3	42.0
1993	43.8	44.4	44.9	58.6	65.7	52.9	46.4	44.1	42.9	40.4	43.0	48.0

NA = Not available.

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

Table 50--Onions, fresh: U.S. retail price, marketing spread, and grower-packer return, 1960-93 1/

Year	Retail price	Marketing spread		Grower-packer return 2/ 3/	
		Actual	Percent of retail	Actual	Percent of retail
	-- Cents/lb. --		Percent	Cents/lb.	Percent
1960	9.2	6.7	73	2.5	27
1961	10.3	6.7	65	3.6	35
1962	12.2	7.9	65	4.3	35
1963	11.4	7.5	66	3.9	34
1964	11.2	7.9	70	3.3	30
1965	11.9	8.3	69	3.7	31
1966	12.9	8.2	63	4.8	37
1967	13.7	9.1	66	4.6	34
1968	15.0	9.7	65	5.2	35
1969	13.7	9.8	71	3.9	29
1970	16.1	11.0	68	5.1	32
1971	14.3	10.0	70	4.3	30
1972	17.7	11.3	64	6.4	36
1973	25.2	14.3	57	10.9	43
1974	20.8	14.1	68	6.7	32
1975	24.5	13.3	54	11.2	46
1976	23.1	16.0	69	7.1	31
1977	29.1	18.1	62	11.0	38
1978	NA	NA	NA	8.3	NA
1979	NA	NA	NA	9.7	NA
1980	27.2	17.6	65	9.6	35
1981	40.0	21.4	54	18.6	46
1982	32.4	20.3	63	12.0	37
1983	29.4	18.3	62	11.0	38
1984	36.9	20.7	56	16.2	44
1985	29.5	19.0	64	10.6	36
1986	31.2	20.7	66	10.5	34
1987	41.8	25.5	61	16.4	39
1988	37.9	24.7	65	13.2	35
1989	36.1	23.8	66	12.3	34
1990	NA	NA	NA	13.0	NA
1991	43.2	28.8	67	14.4	33
1992	42.3	27.5	65	14.8	35
1993	47.9	29.4	61	18.5	39

NA = Not available.

1/ Prices are simple averages.

2/ Monthly average grower price.

3/ Adjusted to account for waste and spoilage incurred during marketing (6 percent).

Source: Bureau of Labor Statistics, U.S. Department of Labor, and Economic Research Service, U.S. Department of Agriculture.

Table 51--Onions, fresh: U.S. trade with selected countries, 1990-93

Country and measure	Exports				Imports			
	1990	1991	1992	1993	1990	1991	1992	1993
<i>1,000 pounds</i>								
Quantity:								
Canada	167,323	201,096	222,960	259,710	36,413	59,240	55,500	46,428
Mexico	45,578	33,749	61,292	31,163	315,787	411,039	336,218	424,827
Chile	**	**	**	**	10,242	5,515	7,673	8,365
France	**	**	1,635	64	4,631	6,532	4,595	6,805
New Zealand	**	**	**	**	1,948	1,582	3,109	4,899
United Kingdom	2,827	3,011	3,687	2,979	**	3	**	**
Hong Kong	7,824	5,230	6,246	5,821	**	**	9	7
Taiwan	16,836	16,219	10,132	16,400	**	**	397	**
Japan	70,862	48,338	15,530	62,147	**	2	**	**
Other	15,942	7,639	6,288	8,704	4,891	3,281	4,704	8,996
World	327,192	315,282	327,771	386,988	373,912	487,194	412,205	500,327
<i>\$ 1,000</i>								
Value:								
Canada	28,835	37,025	41,400	49,061	4,718	7,411	9,104	6,875
Mexico	5,309	4,591	8,247	4,473	67,169	89,675	93,850	90,353
Chile	**	**	**	**	1,045	563	1,034	986
France	**	**	208	8	2,099	3,639	3,471	2,735
New Zealand	**	**	**	**	460	304	556	622
United Kingdom	752	1,410	2,307	1,880	**	4	**	**
Hong Kong	1,084	652	919	836	**	**	5	1
Taiwan	1,945	1,817	1,147	2,892	**	**	30	**
Japan	6,637	4,961	1,610	9,105	**	3	**	**
Other	2,353	1,261	1,416	1,713	1,178	834	1,917	1,813
World	46,916	51,717	57,253	69,967	76,669	102,426	109,933	103,384

** = Not reported.

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

Table 52--Onions, sets: U.S. trade with selected countries, 1990-93

Country and measure	Exports				Imports			
	1990	1991	1992	1993	1990	1991	1992	1993
<i>1,000 pounds</i>								
Quantity:								
Canada	68	24	77	498	1,326	1,330	3,156	421
Mexico	9,621	8,097	17,168	11,522	51	96	11	196
Netherlands	**	**	**	**	882	919	835	1,271
Chile	**	**	**	**	258	1,695	87	484
United Kingdom	1,519	491	815	260	**	**	**	**
Hong Kong	3,244	3,220	3,304	4,440	**	**	**	**
Taiwan	4,500	4,429	2,494	6,598	**	**	**	**
Japan	6,864	1,235	520	20,017	**	**	**	**
Singapore	4,761	794	40	**	**	**	**	**
Other	13,057	5,450	3,691	5,580	240	487	673	992
World	43,634	23,741	28,109	48,916	2,757	4,528	4,762	3,364
<i>\$ 1,000</i>								
Value:								
Canada	21	8	22	144	199	180	557	121
Mexico	2,018	1,856	3,674	2,339	5	25	1	27
Netherlands	**	**	**	**	360	365	386	470
Chile	**	**	**	**	42	165	11	105
United Kingdom	529	600	591	281	**	**	**	**
Hong Kong	378	420	465	764	**	**	**	**
Taiwan	633	418	214	736	**	**	**	**
Japan	917	207	114	3,032	**	**	**	**
Singapore	538	97	6	**	**	**	**	**
Other	3,822	1,456	1,081	1,326	91	119	95	120
World	8,856	5,062	6,167	8,622	697	854	1,050	843

** = Not reported.

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

Table 53--Onions, pearl: U.S. imports, 1990-93

Country and measure	1990	1991	1992	1993
<i>1,000 pounds</i>				
Quantity:				
Canada	329	15	186	326
Mexico	**	**	196	14
Italy	**	**	6	28
France	**	3	**	10
Other	**	**	**	27
World	329	18	388	405
<i>\$1,000</i>				
Value:				
Canada	64	11	75	119
Mexico	**	**	20	5
Italy	8	**	4	32
France	**	3	**	4
Other	**	**	**	8
World	72	14	98	168

** = Not reported.

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

Table 54--Onions, dried: U.S. trade with selected countries, 1990-93

Country and measure	Exports				Imports			
	1990	1991	1992	1993	1990	1991	1992	1993
<i>1,000 pounds</i>								
Quantity:								
Canada	9,454	9,804	9,948	10,918	**	**	**	**
Mexico	144	623	99	1,033	9,195	4,222	4,647	5,271
Netherlands	3,143	1,936	3,564	4,474	23	**	46	**
Sweden	2,083	1,927	2,054	2,219	**	**	**	**
Norway	1,098	767	962	1,027	**	**	**	**
Finland	1,079	1,252	1,335	1,156	**	**	**	**
West Germany	6,971	6,180	6,075	5,645	119	70	75	22
Switzerland	1,054	1,055	1,097	1,140	232	262	2	**
United Kingdom	6,724	6,649	5,692	6,270	**	**	**	**
Spain	1,069	1,394	1,191	814	**	**	**	**
Indonesia	1,112	454	1,267	955	**	**	**	**
Australia	3,519	3,226	3,059	3,771	**	**	**	**
Philippines	646	606	288	414	**	**	**	**
Japan	6,692	7,090	6,761	7,207	**	0	2	**
Other	4,433	4,839	6,025	6,680	1,062	659	97	1,304
World	49,220	47,802	49,416	53,725	10,630	5,212	4,869	6,597
<i>\$1,000</i>								
Value:								
Canada	9,108	8,910	9,839	10,549	**	**	**	**
Mexico	102	482	96	326	5,756	2,229	2,323	2,636
Netherlands	3,207	1,872	3,692	4,662	24	**	54	**
Sweden	2,412	2,085	2,359	2,548	**	**	**	**
Norway	1,302	804	1,101	1,386	**	**	**	**
Finland	1,268	1,196	1,511	1,291	**	**	**	**
West Germany	7,232	6,180	6,188	5,909	123	100	92	50
Switzerland	1,051	974	1,136	1,192	269	87	2	**
United Kingdom	6,911	6,618	5,852	6,230	**	**	**	**
Spain	1,075	1,213	1,158	776	**	**	**	**
Indonesia	1,118	436	1,263	1,030	**	**	**	**
Australia	3,767	3,463	3,176	3,875	**	**	**	**
Philippines	621	576	283	429	**	**	**	**
Japan	8,246	8,163	8,540	8,973	**	2	18	**
Other	4,710	4,975	6,149	6,807	689	390	239	948
World	52,130	47,947	52,344	55,984	6,860	2,808	2,728	3,633

** = Not reported.

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

Table 55--Onions, canned: U.S. trade with selected countries, 1990-93

Country and measure	Exports				Imports			
	1990	1991	1992	1993	1990	1991	1992	1993
<i>1,000 pounds</i>								
Quantity:								
Canada	15	34	13	**	332	365	509	1,330
Mexico	44	22	46	12	**	**	**	**
Israel	**	**	**	**	2,283	1,855	1,710	1,857
Belize	31	619	777	**	**	**	**	**
United Kingdom	**	**	**	**	85	79	103	222
Japan	109	81	183	62	**	**	**	**
Other	95	102	184	167	999	1,088	1,081	1,296
World	294	858	1,203	241	3,698	3,387	3,403	4,704
<i>\$1,000</i>								
Value:								
Canada	12	16	5	**	165	249	278	804
Mexico	42	14	21	7	**	**	**	**
Israel	**	**	**	**	871	690	720	769
Belize	15	81	109	**	**	**	**	**
United Kingdom	**	**	**	**	102	101	143	99
Japan	103	116	222	73	**	**	**	**
Other	77	68	75	52	1,004	979	1,131	1,277
World	248	296	432	131	2,141	2,020	2,272	2,950

** = Not reported.

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

Table 56--Onions, seed: U.S. trade with selected countries, 1990-93

Country and measure	Exports				Imports			
	1990	1991	1992	1993	1990	1991	1992	1993
<i>1,000 pounds</i>								
Quantity:								
Canada	180	292	215	297	**	**	**	27
Mexico	1,013	1,569	1,436	1,568	206	241	206	193
Chile	18	10	41	9	23	29	8	30
Netherlands	22	22	109	173	6	52	20	32
Italy	36	33	10	4	6	4	116	10
Turkey	0	3	155	6	**	**	**	**
Philippines	101	87	107	58	**	**	**	**
Brazil	40	16	46	112	**	**	**	**
Venezuela	24	35	89	78	**	**	**	**
Japan	54	70	75	71	62	78	25	31
Other	320	280	338	352	21	38	141	175
World	1,809	2,418	2,622	2,727	323	443	516	498
<i>\$1,000</i>								
Value:								
Canada	1,193	1,625	1,151	1,654	**	**	**	33
Mexico	3,965	5,854	5,310	5,583	155	142	150	127
Chile	51	56	186	82	165	320	129	100
Netherlands	237	259	369	599	521	730	588	761
Italy	250	215	84	54	22	42	1,090	79
Turkey	9	16	1,322	118	**	**	**	**
Philippines	834	640	889	712	**	**	**	**
Brazil	468	216	511	1,147	**	**	**	**
Venezuela	388	299	744	1,194	**	**	**	**
Japan	285	495	599	539	1,108	921	960	1,582
Other	2,055	2,153	1,948	2,489	100	157	1,058	1,260
World	9,734	11,828	13,114	14,170	2,072	2,313	3,977	3,942

** = Not reported.

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

Table 57--Onions, dry: State area planted and percentage area treated with fertilizers, by fertilizer type, 1992

State	Planted area	Fertilizer type		
		Nitrogen	Phosphate	Potash
	<i>Acres</i>	<i>Percent</i>		
Arizona	1,300	96	90	4
California	37,500	95	83	34
Georgia	8,200	100	100	100
Michigan	7,600	97	95	97
New York	12,800	100	99	99
Oregon	15,400	99	95	78
Texas	19,500	97	64	46
Washington	9,300	100	90	79
Wisconsin	2,000	99	99	73
Total	113,600	98	86	62

Source: National Agricultural Statistics Service, USDA.

Table 58--Onions, dry: State area planted and percentage area treated with chemical pesticides, by pesticide type, 1992

State	Planted area	Pesticide type			
		Herbicide	Insecticide	Fungicide	Other 1/
	<i>Acres</i>	<i>Percent</i>			
Arizona	1,300	46	67	67	<1
California	37,500	84	56	80	3
Georgia	8,200	88	65	95	--
Michigan	7,600	93	99	97	--
New York	12,800	89	99	100	16
Oregon	15,400	99	98	88	57
Texas	19,500	88	87	81	--
Washington	9,300	54	87	44	18
Wisconsin	2,000	100	92	92	--
Total	113,600	98	86	62	13

-- Not reported due to insufficient reporting.

1/ Includes growth regulators and soil fumigants.

Source: National Agricultural Statistics Service, USDA.

Table 59--Onions, dry: Area harvested by top 40 countries and world, 1961-93 1/

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	<i>1,000 acres</i>										
India	297	297	297	297	309	309	371	371	395	408	437
China	297	297	309	321	321	366	381	393	418	430	445
Form. Sov. Union	222	226	215	219	262	257	274	294	314	324	336
Turkey	138	121	136	148	124	141	150	138	153	173	151
Indonesia	109	116	124	131	138	77	82	75	89	102	101
Brazil	101	107	101	117	115	125	120	126	125	128	128
Ukraine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pakistan	38	30	36	41	48	53	52	55	55	58	58
Viet Nam	67	69	74	74	79	82	83	84	88	89	90
United States	93	97	97	101	98	95	104	107	101	101	99
Iran	22	22	26	23	26	33	37	37	42	40	49
Poland	43	45	58	63	66	57	58	65	68	71	66
Bangladesh	55	58	63	63	68	70	85	85	82	81	82
Form. SFR Yugo.	62	67	79	76	79	80	82	84	84	99	96
Romania	79	77	93	91	91	93	89	87	93	99	106
Japan	65	71	84	97	84	86	81	81	82	74	73
Tanzania	13	13	14	17	17	19	22	24	26	47	47
Spain	88	89	89	81	81	80	92	93	88	88	87
Algeria	15	15	15	23	13	18	19	18	17	17	20
Laos	23	23	24	25	25	26	26	27	27	27	29
Burma	29	48	52	38	44	43	44	46	43	54	47
Argentina	27	30	30	31	30	30	29	36	41	40	38
Yugo., Fed. Rep.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Morocco	8	10	10	15	18	15	17	19	20	20	25
Italy	54	56	58	57	59	59	61	60	59	60	56
Thailand	32	39	37	37	41	52	51	42	49	58	61
Colombia	17	18	19	20	20	21	21	22	22	25	26
Iraq	16	22	22	24	28	30	33	34	34	31	39
Bulgaria	26	25	17	34	24	28	31	16	20	33	26
Egypt	69	64	71	64	59	67	56	52	73	53	61
South Africa	11	14	14	15	15	15	12	15	15	15	17
Netherlands	15	16	17	15	17	16	19	22	19	24	28
Hungary	31	32	33	33	34	26	26	30	29	35	29
Uganda	10	7	8	7	9	10	10	10	10	11	12
Czechoslovakia	21	23	33	32	28	24	26	31	24	26	25
Korea, Rep.	6	4	3	4	7	7	9	9	11	10	9
Sri Lanka	13	13	12	11	20	15	19	17	18	17	17
Chile	12	10	12	11	12	15	10	8	9	12	9
United Kingdom	6	7	8	7	8	9	10	12	10	13	18
Cameroon	1	0	1	1	2	2	1	2	2	3	6
Other	254	275	280	272	285	300	304	303	292	309	304
World	2,485	2,553	2,668	2,737	2,805	2,848	2,997	3,028	3,148	3,302	3,352

Refer to footnotes at end of table.

--Continued

Table 59--Onions, dry: Area harvested by top 40 countries and world, 1961-93 1/--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	<i>1,000 acres</i>										
India	437	450	453	479	405	464	528	604	621	619	580
China	457	469	484	497	504	507	507	511	516	531	544
Form. Sov. Union	356	373	388	398	388	406	428	449	424	447	425
Turkey	148	153	156	148	154	173	173	170	173	185	175
Indonesia	102	96	106	107	109	104	108	123	133	131	117
Brazil	127	122	131	129	142	151	140	171	166	183	154
Ukraine	NA	NA	NA	NA	NA	NA	NA	175	190	185	185
Pakistan	60	43	58	73	76	75	79	96	103	107	107
Viet Nam	91	96	91	91	94	96	96	99	104	106	111
United States	94	105	110	103	110	109	122	124	113	112	126
Iran	74	74	74	74	74	84	77	91	99	98	133
Poland	50	62	64	58	61	57	62	59	64	66	65
Bangladesh	76	77	76	77	82	79	82	78	79	74	83
Form. SFR Yugo.	95	99	99	94	96	103	101	101	104	106	104
Romania	96	91	95	94	92	101	103	94	96	76	73
Japan	74	72	73	74	71	73	75	73	70	69	73
Tanzania	47	47	47	35	44	47	46	46	47	49	51
Spain	94	92	86	81	85	96	86	78	79	84	85
Algeria	24	25	24	32	29	33	31	34	35	39	34
Laos	31	32	33	32	36	35	35	38	44	44	47
Burma	50	59	43	43	42	57	57	50	50	45	51
Argentina	41	41	43	41	35	39	39	42	43	28	34
Yugo., Fed. Rep.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Morocco	25	32	37	37	40	40	44	44	31	23	40
Italy	51	51	53	51	53	55	55	51	52	52	51
Thailand	78	84	66	66	54	57	56	57	58	59	33
Colombia	27	25	22	28	32	31	31	30	30	29	28
Iraq	34	36	33	33	24	26	25	20	43	44	33
Bulgaria	24	22	28	27	23	27	31	28	20	24	27
Egypt	56	50	71	53	67	72	56	42	53	42	40
South Africa	17	20	20	20	20	20	20	20	20	20	22
Netherlands	22	27	29	29	28	32	29	27	27	29	29
Hungary	27	22	23	27	21	26	28	21	16	18	16
Uganda	12	15	11	15	13	16	12	10	7	7	10
Czechoslovakia	25	25	23	22	22	24	26	23	24	23	23
Korea, Rep.	13	11	14	10	13	30	18	25	19	24	35
Sri Lanka	21	18	22	22	24	21	20	22	22	22	22
Chile	8	7	10	12	12	12	24	22	21	23	22
United Kingdom	16	18	19	15	18	21	19	16	17	18	16
Cameroon	9	10	8	16	40	37	7	8	10	15	15
Other	297	309	347	339	357	361	363	163	143	158	182
World	3,385	3,459	3,571	3,581	3,590	3,794	3,838	3,937	3,966	4,021	4,001

Refer to footnotes at end of table.

--Continued

Table 59--Onions, dry: Area harvested by top 40 countries and world, 1960-93 1/--continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<i>1,000 acres</i>											
India	668	687	693	648	677	779	744	734	806	828	840
China	539	544	568	576	583	593	598	610	618	630	645
Form. Sov. Union	427	432	420	440	455	457	462	450	465	457	462
Turkey	173	185	209	180	180	185	195	205	221	225	227
Indonesia	151	154	168	172	161	157	149	173	175	188	185
Brazil	165	170	143	157	185	172	182	184	187	187	166
Ukraine	156	161	161	166	188	170	156	148	168	168	168
Pakistan	112	117	119	122	126	137	143	145	145	166	173
Viet Nam	111	111	116	119	128	131	133	136	138	141	143
United States	124	128	123	116	124	129	133	138	134	139	137
Iran	103	107	97	108	110	62	63	147	109	86	111
Poland	62	62	61	67	76	70	73	72	82	85	83
Bangladesh	84	82	84	83	82	84	84	87	86	85	84
Form. SFR Yugo.	107	108	112	110	109	113	116	107	106	84	67
Romania	87	76	74	74	77	73	69	67	79	79	82
Japan	72	73	76	73	73	70	70	72	74	73	73
Tanzania	52	53	54	57	59	62	64	67	69	67	67
Spain	80	88	92	85	77	76	72	76	70	66	64
Algeria	36	47	49	52	58	57	53	49	63	64	65
Laos	49	52	54	59	54	49	57	59	59	62	62
Burma	49	55	58	56	53	44	63	57	59	61	61
Argentina	36	41	40	40	44	48	49	52	52	52	54
Yugo., Fed. Rep.	NA	NA	NA	NA	63	65	67	62	59	49	39
Morocco	32	52	35	40	40	52	40	43	49	44	46
Italy	50	49	48	48	46	46	45	43	44	43	43
Thailand	38	39	36	36	35	38	35	38	39	40	42
Colombia	29	30	39	59	53	59	55	58	26	37	27
Iraq	20	25	49	39	33	33	37	39	14	37	22
Bulgaria	29	25	28	28	24	25	26	23	19	33	33
Egypt	62	36	27	30	26	39	25	26	30	31	32
South Africa	25	30	30	30	30	30	30	30	30	30	30
Netherlands	28	31	28	38	38	32	30	32	25	26	26
Hungary	18	20	20	15	39	53	43	19	28	25	27
Uganda	10	12	15	19	17	20	22	24	27	25	26
Czechoslovakia	24	23	22	21	23	22	22	23	24	24	NA
Korea, Rep.	36	13	27	24	29	27	26	19	25	22	42
Sri Lanka	24	10	14	16	17	19	22	19	15	19	19
Chile	23	27	18	18	19	22	26	21	22	18	21
United Kingdom	16	16	21	18	18	19	17	19	18	18	17
Cameroon	15	15	15	15	15	16	17	17	17	18	18
Other	203	202	216	206	127	132	165	178	144	169	208
World	4,125	4,189	4,260	4,260	4,370	4,468	4,479	4,566	4,621	4,701	4,737

NA = Not available.

1/ Top 40 countries in 1992.

Source: Food and Agriculture Organization, U.N.

Table 60--Onions, dry: Production top 40 countries and world, 1961-93 1/

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
<i>Million pounds</i>											
China	3,086	3,197	3,417	3,638	3,748	4,090	4,206	4,321	4,557	4,674	4,791
India	2,646	2,712	2,778	2,844	2,910	2,976	3,591	3,748	3,858	3,968	4,189
United States	2,363	2,581	2,581	2,529	2,811	2,475	2,861	2,881	2,827	3,072	3,000
Form. Sov. Union	1,764	1,099	1,043	1,101	1,321	1,764	1,754	1,754	1,867	2,165	2,307
Turkey	904	948	1,102	1,124	992	1,036	1,213	1,157	1,290	1,499	1,257
Japan	1,419	1,583	1,370	2,191	1,899	2,280	2,074	2,271	2,437	2,145	2,296
Spain	1,822	1,788	1,926	1,703	1,722	1,693	2,136	2,131	2,060	1,961	2,065
Iran	220	220	265	243	265	340	392	412	589	538	551
Brazil	425	500	429	532	497	611	552	601	607	627	634
Pakistan	226	242	287	345	408	446	439	468	470	537	544
Ukraine	NA										
Netherlands	475	462	426	480	432	420	576	586	626	747	852
Egypt	1,197	1,324	1,532	1,488	1,523	1,596	1,356	1,041	1,294	1,003	1,323
Poland	458	386	601	750	712	694	670	765	694	804	743
Indonesia	397	419	441	463	485	309	331	215	353	507	325
Italy	815	872	942	909	968	959	1,056	1,021	1,031	1,058	1,029
Korea, Rep.	61	48	33	54	94	116	131	150	218	184	198
Argentina	402	428	457	456	461	461	434	478	494	469	459
Morocco	62	104	78	148	163	116	139	154	176	176	220
Colombia	265	276	287	309	320	331	353	375	397	441	463
Romania	338	362	520	547	518	691	548	326	458	491	644
United Kingdom	105	124	162	172	188	193	216	264	257	318	507
France	529	493	509	460	438	449	430	459	432	415	386
Algeria	139	139	139	150	76	90	85	66	84	83	120
Australia	131	153	133	156	130	189	131	193	189	205	227
Chile	271	245	309	230	310	344	229	178	198	265	198
Form. SFR Yugo.	302	317	445	452	417	450	476	448	467	587	553
South Africa	146	163	168	168	183	168	183	212	243	249	231
Thailand	91	110	81	74	81	104	93	136	173	211	310
Burma	103	153	213	175	185	112	171	164	201	252	186
Germany	NA										
Niger	57	53	52	52	93	79	97	85	61	68	79
Viet Nam	176	187	198	205	209	214	218	223	229	236	240
Czechoslovakia	228	235	329	319	260	317	313	398	333	330	307
Bangladesh	301	288	309	291	320	332	437	437	410	401	394
Yugo., Fed. Rep.	NA										
Hungary	222	281	332	290	318	356	384	372	339	322	321
Canada	154	226	252	209	278	188	197	250	205	222	227
Peru	127	152	200	273	225	251	277	280	286	351	348
Iraq	79	108	115	149	184	181	198	201	180	158	216
Other	1,923	1,963	2,078	2,488	2,169	2,325	2,527	2,314	2,382	2,943	2,859
World	24,430	24,939	26,537	28,168	28,310	29,745	31,475	31,534	32,971	34,683	35,600

Refer to footnotes at end of table.

--Continued

Table 60--Onions, dry: Production by top 40 countries and world, 1961-93 1/--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
<i>Million pounds</i>											
China	4,674	4,916	5,027	5,137	5,269	5,379	5,512	5,622	5,732	5,930	5,997
India	4,233	4,365	4,409	4,630	4,299	4,916	4,850	5,511	5,521	5,838	5,350
United States	2,859	3,001	3,315	3,183	3,576	3,460	3,641	3,873	3,358	3,518	4,186
Form. Sov. Union	2,298	3,104	3,089	3,023	3,336	3,141	4,318	4,452	4,215	4,182	4,630
Turkey	1,268	1,345	1,389	1,477	1,676	1,863	1,940	2,205	2,116	2,403	2,260
Japan	2,433	2,192	2,273	2,275	2,476	2,471	2,456	2,765	2,540	2,297	2,771
Spain	2,128	2,081	1,901	1,810	1,896	2,636	2,196	1,965	1,997	2,322	2,317
Iran	569	677	672	728	750	864	1,116	1,135	1,391	1,490	2,127
Brazil	621	676	741	764	950	1,075	1,077	1,524	1,531	1,716	1,478
Pakistan	557	411	529	668	711	731	717	859	957	987	996
Ukraine	NA	1,358	1,440	1,310	1,493						
Netherlands	740	836	851	814	720	1,003	1,074	1,087	955	1,097	1,244
Egypt	1,144	1,188	1,649	1,329	1,479	1,596	1,324	1,237	1,565	1,442	1,400
Poland	719	799	775	727	732	809	949	736	664	934	929
Indonesia	471	387	429	326	411	379	443	482	480	507	354
Italy	919	976	1,086	1,047	1,092	1,140	1,144	1,075	1,158	1,192	1,086
Korea, Rep.	264	202	282	209	274	568	364	867	606	620	969
Argentina	503	503	631	730	639	551	580	595	612	425	523
Morocco	220	265	320	342	364	386	441	441	331	265	441
Colombia	485	463	441	598	664	651	629	612	612	606	597
Romania	624	581	654	498	708	790	975	793	621	530	640
United Kingdom	428	493	538	383	334	674	508	471	496	507	510
France	315	341	288	290	249	322	322	317	309	329	436
Algeria	146	164	173	235	159	200	199	251	260	277	249
Australia	206	207	238	208	232	235	232	264	253	281	284
Chile	198	198	254	300	303	307	551	582	562	608	602
Form. SFR Yugo.	536	610	641	479	589	700	638	645	694	743	697
South Africa	216	278	238	260	311	306	293	333	313	335	333
Thailand	348	536	390	362	280	313	308	282	263	274	338
Burma	233	258	191	201	206	266	299	237	337	237	306
Germany	NA										
Niger	45	64	97	156	175	138	173	230	238	243	256
Viet Nam	247	249	243	243	243	249	265	276	287	295	304
Czechoslovakia	326	317	386	289	191	345	332	250	299	264	306
Bangladesh	352	343	328	321	331	305	326	299	312	210	290
Yugo., Fed. Rep.	NA										
Hungary	376	317	430	244	258	357	417	286	320	306	326
Canada	176	209	218	221	191	232	296	253	233	288	290
Peru	331	301	328	312	339	347	311	324	283	277	298
Iraq	173	181	221	194	167	179	155	178	282	330	250
Other	2,801	2,931	3,526	3,242	3,423	3,992	4,007	3,793	3,664	3,702	4,111
World	35,179	36,963	39,191	38,254	39,999	43,878	45,376	48,465	47,809	49,118	51,972

Refer to footnotes at end of table.

--Continued

Table 60--Onions, dry: Production by top 40 countries and world, 1961-93 1/--continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<i>Million pounds</i>											
China	6,173	6,614	7,055	7,606	7,848	8,047	8,378	8,598	8,708	8,818	9,771
India	5,950	6,832	6,311	5,583	5,954	7,380	6,757	6,941	7,496	7,716	7,826
United States	3,917	4,307	4,506	4,361	4,511	4,673	4,790	5,278	5,070	5,421	5,292
Form. Sov. Union	4,475	4,850	4,321	5,952	6,063	5,820	5,525	4,850	4,850	4,630	4,850
Turkey	2,205	2,425	2,800	2,866	2,866	2,965	2,998	3,417	3,527	3,748	3,770
Japan	2,579	2,423	2,923	2,760	2,881	2,758	2,798	2,903	2,881	2,866	2,881
Spain	2,113	2,547	2,753	2,570	2,447	2,364	2,195	2,427	2,247	2,194	2,094
Iran	1,623	1,860	1,586	1,816	2,035	1,348	1,526	2,674	2,480	2,050	2,535
Brazil	1,599	1,581	1,410	1,409	1,883	1,720	1,758	1,916	1,938	1,961	1,911
Pakistan	1,047	1,110	1,135	1,157	1,272	1,396	1,559	1,572	1,549	1,784	1,874
Ukraine	1,307	1,585	1,631	1,903	2,350	1,872	1,914	1,874	1,766	1,576	1,609
Netherlands	903	1,008	963	1,096	1,054	996	967	1,097	1,020	1,264	1,235
Egypt	1,717	1,528	1,728	1,464	1,362	1,459	981	1,272	1,224	1,235	1,279
Poland	905	1,035	1,015	1,161	1,355	1,135	1,243	1,252	1,476	1,189	1,412
Indonesia	620	606	796	842	909	836	881	1,092	1,122	1,168	992
Italy	1,097	1,093	1,064	1,093	1,052	1,036	1,040	990	1,073	1,051	1,051
Korea, Rep.	1,195	378	970	835	1,158	1,161	1,230	898	1,168	1,032	2,205
Argentina	602	657	720	712	787	935	904	915	926	926	971
Morocco	333	494	455	719	584	663	684	718	909	774	794
Colombia	575	671	868	1,141	1,042	1,052	994	1,036	652	772	485
Romania	784	866	807	660	673	720	910	497	397	748	452
United Kingdom	385	525	590	545	632	659	496	526	543	613	551
France	396	453	489	502	503	485	446	460	458	514	507
Algeria	268	431	362	364	441	442	502	381	486	509	511
Australia	256	335	350	363	401	433	424	490	485	496	529
Chile	617	717	488	489	504	562	683	559	598	495	549
Form. SFR Yugo.	686	702	708	702	602	592	748	528	613	487	397
South Africa	366	381	388	384	421	461	450	503	535	486	507
Thailand	351	368	359	366	392	460	385	427	455	463	485
Burma	309	416	404	517	473	352	396	354	383	418	419
Germany	NA	343	405	403							
Niger	256	139	97	139	146	154	272	495	373	375	386
Viet Nam	320	326	335	342	331	353	357	364	370	375	386
Czechoslovakia	289	370	333	284	322	284	343	326	346	351	NA
Bangladesh	310	300	310	301	287	310	306	326	316	318	315
Yugo., Fed. Rep.	NA	NA	NA	NA	381	375	478	317	370	309	252
Hungary	314	412	387	268	373	555	511	353	408	309	441
Canada	254	326	326	260	285	266	314	307	297	304	301
Peru	265	245	273	291	292	341	352	312	276	287	254
Iraq	158	214	385	347	194	270	285	262	97	265	176
Other	3,875	4,029	4,385	4,442	5,033	4,899	5,369	5,121	4,660	4,810	2,624
World	51,396	55,156	56,787	58,613	62,099	62,590	63,149	64,628	64,891	65,510	65,282

NA = Not available.

1/ Top 40 countries in 1992.

Source: Food and Agriculture Organization, U.N.

Table 61--Onions, dry: Import volume by top 40 countries and world, 1961-92--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
<i>Million pounds</i>											
Germany	0	0	0	0	0	0	0	0	0	0	0
United Kingdom	383	329	402	332	402	403	405	419	443	442	395
United States	62	151	103	87	82	146	139	158	133	136	166
Saudi Arabia	30	17	30	46	56	89	116	145	174	202	240
Malaysia	89	97	101	102	106	110	133	149	175	139	177
Canada	89	114	109	120	184	151	145	137	155	164	142
France	212	253	260	232	257	282	247	299	286	279	269
United Arab Emir.	14	12	26	32	47	33	43	44	113	109	136
Belgium-Luxemb.	57	77	68	83	97	94	92	106	112	114	119
Singapore	59	54	59	57	57	67	76	73	78	82	91
Iraq	1	4	1	0	0	0	0	0	0	37	51
Netherlands	22	51	54	33	103	97	40	42	83	65	49
Spain	6	5	0	0	22	19	1	6	0	0	0
Japan	74	103	144	66	137	88	208	161	170	452	158
Sri Lanka	0	0	0	8	0	0	0	21	38	9	13
Sweden	37	37	37	36	36	32	31	34	33	33	34
Greece	4	0	0	0	0	0	0	0	0	8	5
Oman	0	0	0	0	0	0	0	0	0	0	0
Lebanon	3	3	4	3	2	19	35	20	33	40	22
Taiwan	0	0	0	3	1	1	1	6	1	2	1
Portugal	7	3	3	6	1	1	0	0	0	11	25
Ireland	5	7	11	12	12	7	17	22	28	32	34
Hong Kong	24	24	27	31	27	39	34	47	43	52	37
Senegal	27	21	22	26	22	21	32	35	27	25	31
Qatar	6	6	6	4	9	7	7	10	12	12	13
Bahrain	13	16	16	21	17	26	23	51	17	20	19
Italy	31	21	7	4	6	28	12	13	20	13	9
Former SFR Yug.	5	15	4	18	53	18	0	1	4	0	1
Denmark	12	25	21	25	28	26	28	33	35	31	24
Guinea	0	0	0	0	0	0	0	0	0	0	0
Cuba	24	26	24	22	12	29	31	23	18	18	18
Romania	0	0	0	0	0	0	0	0	0	0	8
Sierra Leone	11	10	8	9	5	8	16	12	14	12	13
Nepal	0	0	0	0	0	0	0	0	0	0	11
El Salvador	3	4	4	6	6	9	11	13	19	21	28
Mauritania	0	0	0	1	1	0	0	0	2	3	3
Fiji	7	7	7	8	7	9	8	9	10	9	10
Venezuela	0	0	0	0	0	0	2	2	9	24	2
Kuwait	36	50	29	36	36	45	45	45	53	58	66
Indonesia	2	0	0	1	2	2	3	3	2	2	2
Other	835	998	941	930	1,012	953	1,052	993	1,094	1,060	1,096
World	2,189	2,542	2,526	2,400	2,846	2,859	3,036	3,131	3,434	3,718	3,518

Refer to footnotes at end of table.

--Continued

Table 61--Onions, dry: Import volume by top 40 countries and world, 1961-92--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
<i>Million pounds</i>											
Germany	0	0	0	0	0	0	0	0	0	0	0
United Kingdom	383	329	402	332	402	403	405	419	443	442	395
United States	62	151	103	87	82	146	139	158	133	136	166
Saudi Arabia	30	17	30	46	56	89	116	145	174	202	240
Malaysia	89	97	101	102	106	110	133	149	175	139	177
Canada	89	114	109	120	184	151	145	137	155	164	142
France	212	253	260	232	257	282	247	299	286	279	269
United Arab Emir.	14	12	26	32	47	33	43	44	113	109	136
Belgium-Luxemb.	57	77	68	83	97	94	92	106	112	114	119
Singapore	59	54	59	57	57	67	76	73	78	82	91
Iraq	1	4	1	0	0	0	0	0	0	37	51
Netherlands	22	51	54	33	103	97	40	42	83	65	49
Spain	6	5	0	0	22	19	1	6	0	0	0
Japan	74	103	144	66	137	88	208	161	170	452	158
Sri Lanka	0	0	0	8	0	0	0	21	38	9	13
Sweden	37	37	37	36	36	32	31	34	33	33	34
Greece	4	0	0	0	0	0	0	0	0	8	5
Oman	0	0	0	0	0	0	0	0	0	0	0
Lebanon	3	3	4	3	2	19	35	20	33	40	22
Taiwan	0	0	0	3	1	1	1	6	1	2	1
Portugal	7	3	3	6	1	1	0	0	0	11	25
Ireland	5	7	11	12	12	7	17	22	28	32	34
Hong Kong	24	24	27	31	27	39	34	47	43	52	37
Senegal	27	21	22	26	22	21	32	35	27	25	31
Qatar	6	6	6	4	9	7	7	10	12	12	13
Bahrain	13	16	16	21	17	26	23	51	17	20	19
Italy	31	21	7	4	6	28	12	13	20	13	9
Former SFR Yug.	5	15	4	18	53	18	0	1	4	0	1
Denmark	12	25	21	25	28	26	28	33	35	31	24
Guinea	0	0	0	0	0	0	0	0	0	0	0
Cuba	24	26	24	22	12	29	31	23	18	18	18
Romania	0	0	0	0	0	0	0	0	0	0	8
Sierra Leone	11	10	8	9	5	8	16	12	14	12	13
Nepal	0	0	0	0	0	0	0	0	0	0	11
El Salvador	3	4	4	6	6	9	11	13	19	21	28
Mauritania	0	0	0	1	1	0	0	0	2	3	3
Fiji	7	7	7	8	7	9	8	9	10	9	10
Venezuela	0	0	0	0	0	0	2	2	9	24	2
Kuwait	36	50	29	36	36	45	45	45	53	58	66
Indonesia	2	0	0	1	2	2	3	3	2	2	2
Other	835	998	941	930	1,012	953	1,052	993	1,094	1,060	1,096
World	2,189	2,542	2,526	2,400	2,846	2,859	3,036	3,131	3,434	3,718	3,518

Refer to footnotes at end of table.

--Continued

Table 61--Onions, dry: Import volume by top 40 countries and world, 1961-92--continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	<i>Million pounds</i>									
Germany	0	0	0	0	0	0	0	0	798	675
United Kingdom	436	463	504	475	525	486	526	584	564	476
United States	202	264	260	245	368	407	357	374	486	413
Saudi Arabia	260	280	211	136	153	276	342	341	322	355
Malaysia	175	204	213	213	222	241	298	277	289	337
Canada	161	161	154	172	216	198	156	189	217	241
France	325	299	321	306	296	312	258	247	250	241
United Arab Emir.	155	237	265	227	248	237	292	209	198	198
Belgium-Luxemb.	114	125	146	163	170	159	158	155	157	161
Singapore	88	94	104	100	117	131	140	143	136	148
Iraq	57	40	42	40	44	11	8	1	143	132
Netherlands	53	76	78	71	90	104	110	172	132	115
Spain	5	2	2	1	7	40	20	103	64	97
Japan	148	350	135	118	79	248	178	191	138	77
Sri Lanka	17	105	136	104	76	26	9	65	102	74
Sweden	34	34	37	40	52	48	43	40	45	50
Greece	0	9	16	0	1	21	30	31	58	49
Oman	0	0	0	0	5	17	13	33	48	46
Lebanon	11	13	33	24	22	19	23	35	51	44
Taiwan	8	2	11	20	18	34	24	33	32	41
Portugal	1	13	3	7	1	61	57	35	31	41
Ireland	34	33	38	43	39	46	45	41	42	38
Hong Kong	38	48	31	30	37	36	38	35	37	33
Senegal	34	34	16	33	37	35	49	36	26	32
Qatar	6	8	10	5	9	12	22	25	29	29
Bahrain	22	23	27	26	26	27	25	26	28	28
Italy	39	27	37	34	22	18	11	56	62	27
Form. SFR Yugo.	21	5	1	0	36	10	0	90	40	26
Denmark	30	24	16	20	32	40	27	20	20	24
Guinea	0	0	0	1	2	9	11	12	13	20
Cuba	18	18	19	15	13	9	0	1	2	19
Romania	0	0	0	18	0	0	0	0	17	17
Sierra Leone	12	10	12	9	9	12	10	9	11	16
Nepal	11	15	21	24	22	18	23	21	15	15
El Salvador	22	18	18	9	11	13	14	17	15	15
Mauritania	6	2	2	2	3	7	12	9	9	14
Fiji	11	9	12	10	11	10	11	11	13	12
Venezuela	0	0	0	0	0	0	0	13	5	12
Kuwait	64	74	66	83	97	80	88	33	3	11
Indonesia	1	2	3	4	5	6	10	8	10	11
Other	978	958	978	1,023	1,113	1,050	1,047	1,166	188	187
World	3,596	4,078	3,978	3,851	4,234	4,515	4,485	4,889	4,845	4,601

Source: Food and Agriculture Organization, U.N.

Table 62--Onions, dry: Import value by top 40 countries and world, 1961-92

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	\$ 1,000										
United States	2,110	3,860	9,164	2,307	2,785	3,763	3,741	5,760	4,325	6,740	4,356
Germany	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
United Kingdom	19,190	23,727	21,268	18,435	22,719	23,195	25,876	20,130	21,450	31,829	20,627
Canada	2,884	3,523	3,191	2,967	4,034	4,305	5,153	5,819	5,290	6,556	5,554
Malaysia	2,212	1,986	2,156	2,904	2,512	3,177	2,912	2,577	3,631	3,356	2,652
France	3,128	5,146	5,147	5,222	5,888	6,395	9,230	5,132	8,984	11,705	6,740
Saudi Arabia	621	581	641	795	913	1,127	1,268	1,064	1,142	564	822
United Arab Emir.	NA	NA	NA	NA	NA	23	32	30	140	197	213
Singapore	1,700	1,426	1,667	1,663	1,506	1,866	1,904	1,999	2,445	2,121	1,912
Belgium-Luxemb.	852	1,366	1,154	638	1,146	1,154	1,464	1,039	1,482	2,136	1,785
Netherlands	1,642	629	547	1,102	1,914	754	3,936	1,336	1,556	2,728	1,406
Japan	6	0	0	0	1,438	631	2,295	3,563	1,036	2,983	7,120
Spain	1	2	1	0	186	3	4	5	0	35	1
Iraq	157	228	76	10	7	282	130	166	186	278	98
Lebanon	239	341	118	263	216	151	92	67	253	264	71
Oman	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sweden	1,066	1,643	1,522	1,387	1,739	1,892	2,433	1,829	2,422	2,900	2,359
Sri Lanka	4,483	4,147	4,536	5,419	4,342	4,159	3,812	2,791	3,957	4,970	134
Ireland	296	421	597	612	753	462	870	635	376	632	596
Senegal	674	845	922	938	869	879	951	953	1,190	907	847
Greece	1	17	0	3	8	252	4	0	619	0	0
Hong Kong	356	370	375	405	444	551	467	619	705	840	1,052
Switzerland	1,309	1,911	1,702	1,526	1,591	1,805	2,568	1,849	1,547	2,066	1,616
Taiwan	NA	NA	NA	NA	NA	17	0	27	10	0	0
Portugal	NA	NA	NA	NA	NA	NA	NA	NA	19	0	4
Italy	433	234	32	1,530	1,187	354	806	792	1,747	1,105	681
Form. SFR Yugo.	27	478	113	0	0	3	53	208	1,321	1,842	420
Bahrain	130	130	130	160	170	90	220	130	200	300	568
Cuba	1,766	1,451	2,815	3,011	1,929	2,164	2,138	798	747	1,160	2,200
Denmark	443	887	648	491	520	785	867	471	588	1,432	755
Qatar	127	136	144	153	170	187	196	204	223	263	265
Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Finland	33	332	765	672	448	570	689	454	319	746	445
Indonesia	8	0	5	3	8	18	40	27	151	18	78
Sierra Leone	419	460	461	482	444	476	482	448	563	604	573
Austria	1,117	1,116	787	600	911	850	1,891	869	1,021	1,227	930
Suriname	97	112	129	117	122	124	152	135	160	192	159
Venezuela	1	1	1	1	2	1	1	6	119	1	10
Brunei	35	34	40	46	60	64	61	63	81	88	75
Fiji	210	192	187	220	296	242	262	288	198	374	337
Other	20,805	31,060	27,456	25,620	26,055	26,833	34,285	27,342	35,913	48,880	35,629
World	68,578	88,792	88,497	79,702	87,332	89,604	111,285	89,625	106,116	142,039	103,090

Refer to footnotes at end of table.

--Continued

Table 62--Onions, dry: Import value by top 40 countries and world, 1961-92--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	\$ 1,000										
United States	5,416	12,521	9,137	9,885	8,732	13,661	16,333	20,377	21,271	22,015	25,024
Germany	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
United Kingdom	23,326	34,241	31,931	33,918	54,592	42,714	35,426	50,094	73,109	60,885	31,618
Canada	7,493	12,061	9,267	15,003	15,307	19,000	15,903	17,941	18,477	30,525	20,838
Malaysia	4,155	5,900	7,021	9,840	9,110	12,011	16,111	14,996	18,119	18,941	25,072
France	8,937	22,669	17,284	17,272	30,608	29,665	15,761	27,530	40,053	34,036	23,082
Saudi Arabia	1,182	995	1,692	3,120	6,086	8,617	9,856	13,164	21,628	21,443	20,979
United Arab Emir.	502	434	1,515	1,938	4,534	3,162	2,953	3,026	10,043	9,063	11,252
Singapore	2,630	3,320	4,122	4,890	4,967	6,502	9,819	9,112	10,216	12,042	12,510
Belgium-Luxemb.	2,294	5,568	4,403	6,314	10,708	8,779	5,408	8,811	13,042	11,555	9,974
Netherlands	1,074	4,786	3,640	2,361	9,541	9,441	2,788	3,676	8,029	7,635	4,241
Japan	4,755	9,274	17,565	6,420	17,236	9,470	27,287	23,967	22,836	95,791	27,617
Spain	187	169	30	0	2,740	2,496	104	435	77	18	56
Iraq	61	113	196	24	0	0	0	0	0	3,500	4,800
Lebanon	85	157	300	380	300	1,344	4,800	2,800	5,400	7,200	3,800
Oman	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sweden	2,531	4,318	4,143	4,410	5,968	5,146	3,645	5,472	7,222	6,244	4,321
Sri Lanka	3	0	0	540	0	0	19	1,876	5,008	793	1,775
Ireland	422	889	1,216	1,377	1,820	793	1,628	2,680	4,690	4,630	3,256
Senegal	1,440	1,891	1,783	2,682	3,615	2,543	2,989	4,460	4,668	3,292	3,400
Greece	153	0	0	3	0	0	0	0	0	1,228	585
Hong Kong	815	1,228	1,510	2,067	2,004	3,233	3,181	4,289	4,275	6,728	3,973
Switzerland	1,835	2,133	1,946	1,848	2,559	3,840	2,262	3,047	5,318	4,089	2,968
Taiwan	1	0	0	155	85	70	97	466	146	386	133
Portugal	231	314	143	425	96	67	28	24	0	1,045	2,237
Italy	2,065	2,140	1,051	737	1,071	3,905	1,686	1,888	3,458	3,087	1,709
Form. SFR Yugo.	499	1,570	793	2,172	8,219	4,109	70	129	986	0	51
Bahrain	575	722	787	1,001	1,768	2,701	4,007	5,850	935	1,580	1,567
Cuba	1,352	2,318	2,367	2,326	1,541	2,668	3,237	2,581	1,968	1,751	1,716
Denmark	623	2,514	1,724	2,233	3,915	3,241	2,936	4,376	5,792	4,527	2,282
Qatar	331	347	344	427	887	600	740	1,224	1,536	1,600	1,300
Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Finland	552	1,006	1,237	1,180	1,192	1,225	1,873	772	2,524	732	938
Indonesia	55	0	0	69	128	202	377	352	233	288	247
Sierra Leone	602	1,018	932	970	863	970	1,900	1,903	2,200	2,114	1,761
Austria	1,012	3,623	2,528	2,253	3,682	3,378	1,770	2,246	4,747	2,589	2,035
Suriname	217	366	324	368	369	491	429	560	720	770	800
Venezuela	15	1	15	21	0	44	482	392	1,487	4,682	530
Brunei	99	148	155	242	256	419	465	469	551	682	744
Fiji	392	671	718	923	775	1,212	916	1,013	1,396	2,331	1,184
Other	42,658	84,730	72,568	79,546	134,654	103,403	85,319	106,000	156,391	142,677	108,795
World	120,575	224,155	204,387	219,340	349,928	311,122	282,605	347,998	478,551	532,494	369,170

Refer to footnotes at end of table.

--Continued

Table 62--Onions, dry: Import value by top 40 countries and world, 1961-92--continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	\$ 1,000									
United States	25,088	40,724	41,297	41,947	65,759	83,327	67,813	82,814	108,943	117,133
Germany	NA	NA	NA	NA	NA	NA	NA	NA	97,291	84,356
United Kingdom	33,217	50,420	28,893	33,706	59,393	49,083	55,888	83,177	73,346	65,229
Canada	21,344	27,665	21,384	20,758	36,682	31,486	30,988	33,417	38,860	41,922
Malaysia	23,172	25,617	24,070	24,890	28,228	32,207	35,298	34,734	38,717	37,400
France	23,592	36,526	19,038	23,800	35,080	31,433	31,957	35,996	33,978	30,021
Saudi Arabia	19,386	20,610	15,223	9,130	12,314	20,420	26,759	26,939	27,864	22,000
United Arab Emir.	9,444	15,771	17,746	16,650	11,404	12,331	26,026	21,000	19,000	19,000
Singapore	11,003	13,999	12,241	13,065	17,502	19,652	19,648	20,494	22,169	18,705
Belgium-Luxemb.	8,711	11,988	7,307	9,991	15,421	13,925	15,029	18,416	18,936	17,343
Netherlands	3,763	9,056	4,394	5,583	11,597	11,270	12,020	21,454	15,779	15,109
Japan	15,855	69,259	19,560	13,955	12,273	45,730	29,286	32,445	25,177	14,245
Spain	429	331	195	88	808	4,277	2,589	17,875	8,431	11,284
Iraq	5,300	4,500	6,000	6,000	6,500	800	800	200	12,500	9,400
Lebanon	1,850	2,100	4,700	3,600	4,000	2,400	3,500	9,300	10,000	9,000
Oman	NA	NA	NA	NA	4,483	5,958	6,468	7,470	8,063	8,000
Sweden	4,018	6,090	4,445	5,494	9,343	8,832	7,985	7,984	8,792	7,964
Sri Lanka	2,087	11,774	13,102	11,676	10,241	2,688	1,298	7,381	15,040	6,495
Ireland	3,201	4,290	3,013	3,887	5,303	5,222	5,050	6,567	6,506	5,539
Senegal	3,978	3,665	1,676	3,955	5,231	4,838	7,083	7,060	4,600	5,500
Greece	23	1,959	1,316	115	298	2,284	2,716	2,953	7,005	5,244
Hong Kong	4,113	6,600	3,332	3,422	4,568	5,708	5,893	5,260	5,912	5,138
Switzerland	2,472	1,938	1,442	2,885	6,427	2,994	2,315	2,627	3,344	4,774
Taiwan	758	292	883	1,475	1,361	4,345	2,732	3,629	3,183	4,427
Portugal	139	1,805	217	525	132	5,843	5,754	5,494	3,521	4,417
Italy	5,238	5,018	3,786	6,676	7,867	4,667	2,051	8,462	8,564	4,366
Form. SFR Yugo.	1,703	515	118	0	7,660	1,654	0	11,327	6,000	4,000
Bahrain	2,147	2,422	2,644	2,697	3,036	3,182	2,970	3,100	3,400	3,400
Cuba	1,740	1,706	1,969	1,710	1,212	902	0	200	500	3,300
Denmark	2,589	3,166	1,206	2,170	4,683	4,837	3,299	2,757	3,159	3,027
Qatar	716	618	696	386	702	983	2,026	2,526	3,042	3,000
Guinea	NA	NA	NA	300	400	1,400	1,800	2,100	2,400	2,843
Finland	806	632	1,192	2,072	3,086	2,832	3,446	1,430	1,206	2,400
Indonesia	177	240	425	608	813	914	1,507	1,448	1,867	2,331
Sierra Leone	1,594	1,232	1,356	1,180	1,500	1,900	1,600	1,700	2,100	2,100
Austria	847	2,606	2,275	1,132	1,786	970	1,445	2,705	3,802	2,047
Suriname	880	903	610	941	1,000	626	374	817	1,500	1,900
Venezuela	10	0	0	0	0	0	0	1,895	620	1,875
Brunei	673	982	767	974	930	1,262	1,098	1,350	1,500	1,800
Fiji	1,025	1,770	1,227	1,345	2,040	1,969	1,893	2,148	1,907	1,705
Other	91,292	112,982	76,035	95,240	148,126	126,843	118,720	139,932	29,094	27,489
World	334,380	501,771	345,780	374,028	549,189	561,994	547,124	678,583	687,618	637,228

NA = Not available.

Source: Food and Agriculture Organization, U.N.

Table 63--Onions, dry: Export volume by top 40 countries and world, 1961-92--continued

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
<i>Million pounds</i>											
Netherlands	403	358	313	371	323	307	427	439	547	554	624
India	236	258	220	231	218	193	235	209	278	325	193
Turkey	5	3	0	34	19	0	1	3	1	0	4
Spain	190	224	215	233	246	239	254	236	233	304	344
United States	100	114	132	86	123	109	177	121	139	149	137
Argentina	6	12	5	14	0	6	3	14	3	3	8
Poland	64	29	94	191	183	147	85	123	134	119	110
Australia	5	5	16	8	5	4	20	2	4	12	19
Egypt	361	377	341	385	351	323	268	203	303	240	224
Italy	54	130	135	72	92	138	92	118	81	119	147
Singapore	20	20	22	22	20	25	27	30	30	23	28
France	35	18	21	16	12	17	16	15	10	19	14
Canada	31	41	61	64	60	46	30	36	61	45	36
Niger	0	13	3	2	9	8	7	5	4	10	6
Iran	19	18	18	22	32	12	28	14	34	29	23
Syria	17	27	25	13	34	51	48	54	23	11	24
Thailand	1	1	4	1	0	1	1	2	0	4	4
Chile	61	67	71	43	76	37	53	61	55	102	61
United Arab Emir.	0	0	0	0	0	0	0	0	0	0	0
Malaysia	2	1	0	2	2	2	1	2	6	2	3
Germany	0	0	0	0	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0	0	0	2	0
Philippines	0	0	0	0	0	0	0	0	0	0	2
China	10	11	15	28	35	52	39	55	50	45	46
Belgium-Luxemb.	9	9	5	12	11	7	11	9	8	7	8
United Kingdom	0	1	0	0	0	0	0	0	1	0	0
Austria	1	0	0	0	0	2	0	0	10	9	2
Hungary	23	52	92	79	67	78	90	70	40	24	37
Taiwan	2	12	44	64	20	17	25	34	31	23	38
Guatemala	1	1	2	4	2	4	5	4	4	6	6
South Africa	15	38	33	26	24	27	21	36	36	44	39
Lebanon	11	27	15	3	12	27	15	22	23	20	24
Japan	19	14	6	13	8	6	3	8	9	4	3
Gaza Strip	0	0	0	0	0	0	0	0	0	0	0
Czechoslovakia	16	13	20	44	29	29	29	44	73	66	0
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0
Colombia	0	0	0	0	0	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0	0	0	0	0	0
Hong Kong	5	3	4	5	8	15	6	14	16	17	24
Korea, Rep.	0	0	0	0	0	0	0	0	0	0	0
Other	109	89	99	256	146	105	145	156	193	177	221
World	1,831	1,985	2,033	2,345	2,168	2,033	2,162	2,140	2,440	2,515	2,460

Refer to footnotes at end of table.

--Continued

Table 63-Onions, dry: Export volume by top 40 countries and world, 1961-92--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
<i>Million pounds</i>											
Netherlands	614	699	707	726	716	761	880	917	924	954	1,009
India	86	126	153	237	358	192	118	238	291	421	437
Turkey	5	5	0	11	47	23	46	169	72	218	389
Spain	352	392	330	327	350	418	443	441	436	662	480
United States	130	187	148	153	328	190	251	158	258	423	143
Argentina	20	37	27	1	9	10	31	7	3	4	25
Poland	97	100	51	70	58	101	66	49	2	4	71
Australia	24	14	10	15	56	34	17	16	43	48	34
Egypt	232	197	229	154	146	178	127	53	93	44	28
Italy	95	109	152	213	249	160	198	226	207	226	186
Singapore	35	26	25	31	35	49	40	40	43	38	44
France	17	16	17	13	15	19	20	27	37	49	55
Canada	34	29	18	29	32	21	38	45	35	25	15
Niger	6	3	8	13	5	14	0	3	11	29	30
Iran	14	47	45	30	8	54	14	23	1	8	2
Syria	39	13	47	53	0	2	18	14	13	1	1
Thailand	5	2	6	2	3	7	9	17	18	16	4
Chile	5	16	22	16	75	189	65	40	60	34	61
United Arab Emir.	0	0	0	0	0	0	0	0	66	55	66
Malaysia	1	4	3	4	1	3	9	6	10	20	12
Germany	0	0	0	0	0	0	0	0	0	0	0
Pakistan	6	27	0	0	2	8	104	49	151	166	75
Philippines	0	3	3	2	7	15	16	11	5	22	15
China	49	42	37	42	26	40	35	49	62	49	73
Belgium-Luxemb.	11	16	12	13	21	11	8	13	11	9	12
United Kingdom	0	0	0	6	8	9	8	11	25	14	22
Austria	3	0	1	13	0	8	15	7	13	14	8
Hungary	77	54	46	37	7	25	57	45	52	84	60
Taiwan	38	31	41	23	34	33	41	33	33	55	50
Guatemala	6	6	6	8	6	9	12	18	49	18	29
South Africa	17	32	19	11	18	22	12	16	29	16	8
Lebanon	22	12	11	2	2	24	22	26	24	22	18
Japan	5	4	2	13	0	5	5	2	0	2	5
Gaza Strip	0	1	0	3	4	2	2	1	0	4	6
Czechoslovakia	0	0	5	5	0	40	55	22	11	12	13
Saudi Arabia	1	5	0	1	0	0	0	0	2	5	5
Colombia	0	0	0	0	0	2	2	1	0	1	0
Venezuela	0	1	1	2	2	3	1	1	1	1	3
Hong Kong	12	12	12	18	12	23	16	26	24	31	15
Korea, Rep.	0	0	0	0	0	0	0	0	0	0	0
Other	236	169	131	145	123	137	208	219	110	175	128
World	2,295	2,441	2,327	2,443	2,765	2,840	3,011	3,038	3,225	3,975	3,639

Refer to footnotes at end of table.

--Continued

Table 63--Onions, dry: Export volume by top 40 countries and world, 1961-92--continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<i>Million pounds</i>										
Netherlands	990	942	941	903	1,000	950	906	1,105	1,131	1,210
India	335	556	538	523	287	473	474	530	819	661
Turkey	295	241	289	363	293	362	327	188	445	452
Spain	565	603	633	739	632	604	513	416	529	435
United States	186	277	126	171	207	257	243	389	359	370
Argentina	2	0	5	2	7	1	9	55	110	255
Poland	131	135	210	241	361	233	132	126	283	203
Australia	38	46	54	71	96	140	109	127	132	167
Egypt	78	39	49	46	72	110	111	132	135	126
Italy	124	121	141	104	129	152	122	90	93	79
Singapore	47	50	55	53	76	87	79	75	88	73
France	61	72	59	67	78	43	53	65	63	72
Canada	44	46	49	49	35	31	9	48	69	65
Niger	25	33	42	16	27	47	62	133	66	44
Iran	2	9	5	9	170	104	4	55	57	44
Syria	29	9	0	29	28	4	12	50	70	44
Thailand	14	17	17	14	15	41	50	40	36	43
Chile	7	56	37	34	64	95	96	124	158	42
United Arab Emir.	84	99	95	118	88	69	106	66	55	33
Malaysia	15	12	10	6	5	9	49	22	17	29
Germany	0	0	0	0	0	0	0	0	53	27
Pakistan	166	99	55	146	108	139	60	182	12	27
Philippines	2	38	17	17	22	8	16	27	25	26
China	51	44	12	5	11	9	10	5	3	25
Belgium-Luxemb.	13	21	16	24	21	26	25	30	27	24
United Kingdom	21	30	29	27	22	18	29	23	24	18
Austria	17	11	9	17	14	30	24	27	17	16
Hungary	66	61	131	74	63	109	121	43	13	15
Taiwan	17	68	34	22	30	19	35	34	41	14
Guatemala	28	20	16	6	26	12	9	9	13	13
South Africa	5	11	12	11	17	17	13	21	36	10
Lebanon	18	18	15	16	13	11	11	11	23	9
Japan	1	2	15	0	8	3	4	3	0	8
Gaza Strip	3	8	7	7	7	7	7	7	7	7
Czechoslovakia	22	24	26	13	16	18	18	26	14	5
Saudi Arabia	12	6	4	9	7	5	2	1	7	4
Colombia	0	0	0	0	0	0	0	4	3	4
Venezuela	2	6	7	6	1	1	3	5	4	4
Hong Kong	11	34	3	3	9	5	6	5	3	4
Korea, Rep.	0	0	0	0	0	22	14	0	1	3
Other	72	109	122	96	76	89	116	116	25	14
World	3,597	3,971	3,887	4,057	4,143	4,360	3,988	4,417	5,067	4,723

Source: Food and Agriculture Organization, U.N.

Table 64--Onions, dry: Export value by top 40 countries and world, 1961-92

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	\$ 1,000										
Netherlands	13,353	16,149	11,674	12,601	12,157	11,886	20,551	14,619	23,183	29,085	20,110
United States	3,838	5,270	5,988	4,098	5,534	5,215	7,789	5,854	6,311	7,841	6,959
Spain	4,295	5,107	4,954	5,156	5,344	3,210	3,718	3,000	3,059	8,386	9,506
India	5,895	5,571	5,831	6,875	5,290	5,577	6,331	5,254	7,541	9,319	3,555
Argentina	183	395	182	337	15	190	158	427	99	192	314
Australia	198	243	467	280	199	193	588	171	197	575	939
Turkey	98	101	0	4,760	3,800	0	23	73	66	47	141
Italy	2,561	5,313	5,510	2,927	3,926	6,549	4,956	4,838	4,893	8,029	6,152
Poland	2,127	1,286	2,926	5,600	6,300	4,733	3,141	4,152	6,273	5,608	3,116
Egypt	10,808	15,031	11,024	11,654	12,866	11,792	18,623	11,293	15,185	18,439	14,851
Canada	920	1,474	2,096	2,155	2,156	1,649	1,408	1,283	1,987	2,563	1,663
Singapore	900	899	1,032	1,061	883	1,156	1,138	1,036	1,157	966	1,001
France	1,179	746	749	605	507	705	989	636	569	1,681	743
Syria	263	387	262	258	649	881	953	1,036	734	685	488
Thailand	54	36	123	60	1	39	40	101	27	183	191
Chile	1,506	1,873	1,984	1,106	1,862	864	1,946	2,213	1,977	3,610	2,181
United Arab Emir.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	NA	NA	NA	NA	2	0	0	1	1	3	154
China	338	350	425	710	1,000	1,460	1,150	1,340	1,300	1,300	1,400
Germany	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Malaysia	65	40	16	103	75	72	29	85	338	85	168
Belgium-Luxemb.	284	303	188	380	452	269	477	262	332	398	238
United Kingdom	29	50	6	15	3	17	6	19	42	0	0
Niger	0	271	100	62	261	224	198	188	487	1,174	710
Iran	507	314	313	390	715	248	541	337	548	465	350
Austria	21	3	1	1	2	64	5	4	374	604	59
Lebanon	264	422	241	31	251	555	356	568	678	533	613
Taiwan	29	351	1,405	1,835	873	630	1,117	1,655	877	1,222	2,296
Hungary	746	1,453	2,398	2,159	1,913	2,545	2,618	2,064	1,591	1,298	939
Japan	535	443	228	265	279	169	381	278	211	161	118
Czechoslovakia	669	543	576	1,246	1,018	800	800	1,600	2,300	2,500	0
South Africa	649	1,530	1,234	772	1,129	1,011	1,241	1,299	1,269	1,993	1,114
Pakistan	0	0	0	0	19	4	0	13	13	36	8
Portugal	299	193	224	196	363	256	535	400	190	427	175
Greece	0	161	300	336	102	57	255	0	98	479	31
Venezuela	NA	NA	NA	NA	NA	1	2	7	9	1	8
Gaza Strip	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Guatemala	57	84	89	165	103	241	145	163	221	236	136
Hong Kong	154	101	110	88	190	351	198	336	287	460	726
Other	4,319	3,285	5,549	8,314	5,019	4,979	7,569	9,234	12,017	9,400	17,521
World	57,143	69,778	68,205	76,601	75,258	68,592	89,975	75,839	96,441	119,984	98,674

Refer to footnotes at end of table.

--Continued

Table 64--Onions, dry: Export value by top 40 countries and world, 1961-92--continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	\$ 1,000										
Netherlands	25,989	66,268	54,356	60,079	94,392	71,245	49,863	75,779	118,612	100,067	74,996
United States	7,906	16,721	13,656	16,555	31,145	20,770	27,797	18,262	32,097	69,433	19,544
Spain	11,040	14,408	9,570	17,386	17,430	21,142	22,615	33,292	34,369	60,517	36,473
India	2,837	4,678	6,497	11,910	23,001	14,005	10,228	17,659	26,621	32,361	38,002
Argentina	750	2,212	1,754	77	672	727	3,442	558	370	247	1,397
Australia	1,253	961	1,128	1,050	1,707	3,136	1,407	1,757	3,759	6,240	4,681
Turkey	178	320	8	711	5,023	2,304	3,219	11,143	6,741	19,536	26,229
Italy	6,501	10,933	11,435	19,933	31,131	20,813	15,080	28,279	36,133	29,913	18,872
Poland	4,391	7,014	3,757	6,494	8,481	10,660	5,483	4,168	279	450	4,159
Egypt	10,490	23,318	19,358	17,809	20,499	18,531	12,980	4,720	11,646	6,771	5,287
Canada	1,696	3,205	1,700	2,556	3,433	2,218	2,769	3,699	3,857	3,991	2,004
Singapore	1,460	1,603	1,803	2,690	3,148	4,708	4,582	4,218	4,744	6,133	7,075
France	1,088	2,225	1,829	1,689	2,548	2,277	2,267	4,225	7,358	7,932	5,450
Syria	831	458	1,142	1,324	0	108	977	872	1,140	85	70
Thailand	237	164	475	248	317	744	1,182	1,918	1,990	1,702	447
Chile	127	1,460	1,301	1,086	4,300	14,065	4,375	3,200	4,600	3,100	6,572
United Arab Emir.	NA	NA	NA	NA	NA	NA	NA	NA	4,500	3,900	4,800
Philippines	0	214	397	243	779	1,632	2,212	1,182	593	3,414	2,525
China	1,600	1,800	1,900	2,400	1,500	2,700	2,000	3,500	5,500	4,800	6,300
Germany	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Malaysia	58	318	322	423	157	463	1,704	1,069	1,376	2,877	1,925
Belgium-Luxemb.	436	1,547	896	994	2,759	1,210	573	1,085	1,444	1,117	862
United Kingdom	0	0	0	648	1,112	1,175	970	1,659	4,333	2,172	2,425
Niger	721	505	535	2,008	930	2,707	50	347	1,178	2,145	2,114
Iran	250	1,364	1,571	1,666	726	3,203	949	1,782	104	1,011	398
Austria	73	1	55	795	40	299	782	549	1,426	1,241	504
Lebanon	780	925	500	300	270	1,108	4,000	5,000	5,000	4,600	3,200
Taiwan	1,881	1,281	4,284	1,396	2,765	3,256	3,462	3,149	1,889	5,935	5,928
Hungary	3,109	4,136	2,833	2,499	727	1,878	2,941	4,293	5,037	6,203	3,244
Japan	218	304	130	933	40	486	451	367	103	688	931
Czechoslovakia	0	0	350	420	0	3,200	3,800	1,800	1,000	1,100	1,058
South Africa	718	2,868	1,684	1,058	1,923	3,076	1,304	1,786	3,789	2,152	1,020
Pakistan	162	498	0	0	141	566	5,858	3,045	14,808	11,871	5,242
Portugal	156	509	318	205	529	211	157	211	379	129	114
Greece	0	7	1	785	84	104	0	186	147	16	56
Venezuela	11	29	79	243	326	510	353	280	338	181	909
Gaza Strip	NA	39	4	147	269	200	454	154	0	460	552
Saudi Arabia	24	237	64	78	17	0	0	0	227	623	762
Guatemala	131	116	151	183	227	440	756	1,483	3,611	1,530	5,351
Hong Kong	301	384	462	701	576	1,603	753	1,487	1,443	4,039	1,438
Other	18,642	15,904	9,138	10,713	11,783	13,887	17,809	24,404	13,854	21,107	14,557
World	106,045	188,934	155,443	190,435	274,907	251,367	219,604	272,567	366,395	431,789	317,473

Refer to footnotes at end of table.

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Table 64--Onions, dry: Export value by top 40 countries and world, 1961-92--continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	\$ 1,000									
Netherlands	72,330	91,564	50,390	62,696	94,290	91,668	97,460	150,822	141,296	133,762
United States	23,628	39,927	16,117	20,776	25,936	32,916	36,687	61,678	63,539	69,041
Spain	34,827	52,694	33,786	48,496	59,324	60,869	57,572	51,812	63,796	56,794
India	39,421	44,400	35,960	41,213	31,271	44,324	45,000	50,910	67,165	55,000
Argentina	94	18	376	167	461	70	626	5,141	15,536	23,248
Australia	6,160	9,575	7,652	7,901	11,349	20,089	19,696	20,503	18,240	22,976
Turkey	16,225	15,673	14,771	12,471	12,098	14,772	16,810	12,811	32,970	22,782
Italy	15,757	18,095	16,084	17,689	27,794	25,635	23,757	21,412	28,309	21,456
Poland	8,467	8,820	10,529	13,281	22,121	11,493	12,004	6,952	17,000	13,000
Egypt	11,715	5,706	7,661	6,554	11,857	12,442	9,692	12,850	11,514	11,632
Canada	5,391	6,936	5,057	5,554	6,304	6,506	1,486	6,958	9,047	11,199
Singapore	7,066	8,037	7,592	7,817	11,053	13,772	10,085	9,960	12,891	10,472
France	6,835	11,214	5,102	7,870	14,969	5,752	8,229	8,897	9,377	7,932
Syria	3,500	1,017	0	5,536	4,642	434	2,487	11,339	10,810	7,000
Thailand	1,383	1,651	1,631	1,193	1,327	3,710	4,690	4,751	4,927	5,860
Chile	632	6,587	3,079	2,663	5,862	9,711	8,448	11,799	14,635	5,765
United Arab Emir.	6,500	7,800	7,700	11,000	8,000	6,283	8,606	7,000	8,500	5,000
Philippines	249	6,522	2,109	2,082	2,954	1,160	2,601	4,170	4,214	4,697
China	4,100	4,400	1,100	330	717	858	894	450	623	3,324
Germany	NA	NA	NA	NA	NA	NA	NA	NA	6,544	3,119
Malaysia	2,160	1,642	1,327	870	783	1,075	4,761	2,216	1,716	2,934
Belgium-Luxemb.	835	2,249	1,013	1,866	2,288	2,382	2,770	3,888	3,187	2,915
United Kingdom	1,926	3,951	2,719	2,617	3,464	2,535	3,137	4,080	3,424	2,576
Niger	1,527	3,012	3,765	2,592	4,147	5,858	2,525	6,637	3,600	2,400
Iran	259	644	1,386	1,832	6,310	3,541	442	1,700	2,000	2,000
Austria	1,138	990	368	1,119	1,899	2,013	1,760	3,057	1,952	1,731
Lebanon	3,300	3,000	2,300	1,800	1,500	1,100	1,000	1,000	4,500	1,700
Taiwan	858	7,044	3,666	1,128	2,600	3,105	5,253	5,440	6,727	1,645
Hungary	3,799	3,826	6,324	4,672	6,693	8,015	6,772	4,579	1,500	1,400
Japan	346	301	1,279	120	1,016	421	555	1,020	66	1,299
Czechoslovakia	1,436	1,700	1,200	660	1,020	821	810	1,500	932	1,100
South Africa	551	1,035	784	917	1,500	1,484	1,153	2,177	3,692	1,100
Pakistan	7,313	4,133	2,414	5,313	3,232	4,537	3,111	7,177	835	1,012
Portugal	147	237	150	61	277	162	388	521	755	991
Greece	37	119	10	15	67	5	28	831	1,188	887
Venezuela	734	1,714	2,230	1,124	206	103	545	1,031	852	877
Gaza Strip	252	645	650	720	800	800	800	800	800	800
Saudi Arabia	1,549	737	415	1,053	808	629	191	201	1,244	800
Guatemala	3,315	1,810	803	400	1,950	1,410	810	1,327	755	750
Hong Kong	1,025	5,247	294	251	734	580	747	706	613	665
Other	6,685	13,994	9,052	10,293	9,846	15,249	15,142	12,893	3,320	2,609
World	303,472	398,666	268,845	314,712	403,469	418,289	419,530	522,996	584,591	526,250

NA = Not available.

Source: Food and Agriculture Organization, U.N.

SUMMARY OF REPORT

USDA Assesses Linkages Between Federal Grades for Fresh Produce and Pesticide Use

Number 32, September 1993

Contact: Richard G. Heifner, 202/219-0868

Some have criticized Federal grades for fresh produce for setting unnecessarily high standards for external appearance. These standards allegedly encourage greater use of chemical pesticides by growers and packers. Federal grades play an important commercial role by helping buyers and sellers exchange information about produce quality, but grades do not convey information about pesticide use or its residues.

Modifying standards or establishing a certification program (separate from grades) to include information about pesticides might help consumers signal their preferences for produce with fewer pesticide residues. A grading system that emphasizes appearance and does not consider pesticide use and residues may lead growers and packers to apply more pesticides than they would if consumers' preferences regarding pesticides were fully communicated. Providing consumers information about pesticides would add costs, and reducing pesticide use probably would increase growing and marketing costs or result in produce with more appearance defects. Assessing the potential effects of such changes calls for research to measure: (1) consumers' tradeoffs between product appearance and freedom from pesticides, and (2) relationships between pesticide use and product appearance.

Federal Grade Standards for Fresh Produce: Linkages to Pesticide Use, a recent report from USDA's Economic Research Service, examines the role Federal grades play in the production and marketing of fresh produce, particularly concerning pesticide use and its residues. This bulletin is a partial response to a congressional request for the U.S. Department of Agriculture (USDA) to explore whether high standards for outward appearance encourage pesticide use as mentioned in the Food, Agriculture, Conservation, and Trade Act of 1990. The report describes the Federal grade standards for fresh produce, explores the link between grades and pesticide use, and identifies and examines some options for change.

Grading is the categorizing of products according to a set of rules. It involves the application of standards to determine which grade designation to assign to each particular item or lot. The grade standards for fresh produce emphasize external attributes, such as cleanness, color, surface defects, and shape as well as internal attributes, such as decay and maturity. Sixty-four fresh vegetables (excluding seed potatoes and onion sets) and 25 fresh fruits (omitting duplicates for State-specific standards) have Federal grade standards.

Little evidence is available regarding the effects of grades on pesticide use. There is evidence that pesticides reduce quality degradation for some produce items. However, many pesticides increase yield as well as quality (as measured by grades) and the effects are not easily separated. Reducing the use of pesticides would in some cases increase the share of produce with blemishes and other appearance defects and decrease per acre yields. Several surveys suggest that consumers are willing to accept some types of surface defects, but not all. And higher production costs or lower yields would elevate consumer food expenditures.

To Order This Report...

The information presented here is excerpted from *Federal Grade Standards for Fresh Produce: Linkages to Pesticide Use*, AIB-675, by Nicholas J. Powers and Richard G. Heifner. The cost is \$9.00.

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SUMMARY OF REPORT AIB-686

Farm and Farm-Related Jobs Continue To Favor Wholesale and Retail Trade

November 1993

Contact: Jacqueline Salsgiver, 202-219-0525

Farm and farm-related industries provided over 21 million jobs, or 15.7 percent of U.S. employment, in 1990 (the most recent year for which data are available). Farm and farm-related industries employed 264,000 more workers in 1990 than in 1989, up 1.3 percent, with most of the new jobs (381,000) in agricultural wholesale and retail trade. The largest decline, over 90,000 jobs, occurred in agricultural processing and marketing.

According to a new report by USDA's Economic Research Service, *U.S. Farm and Farm-Related Employment in 1990: A Significant Source of Jobs in Many Areas*, the number of farm and farm-related jobs rose, but their share of U.S. employment declined from 15.8 percent in 1989.

Farm and farm-related jobs ranged from 10.7 percent of total State employment in Nevada to 25.7 percent in North Dakota. **Wholesale and retail trade of agricultural products** contributed the bulk of farm and farm-related jobs, providing 9-12 percent of total employment in all States.

North Dakota led all States in the share of **farm production** jobs, which provided 11.7 percent of total State employment.

Alaska led in the share of jobs in **agricultural services, forestry, and fishing** (5.6 percent).

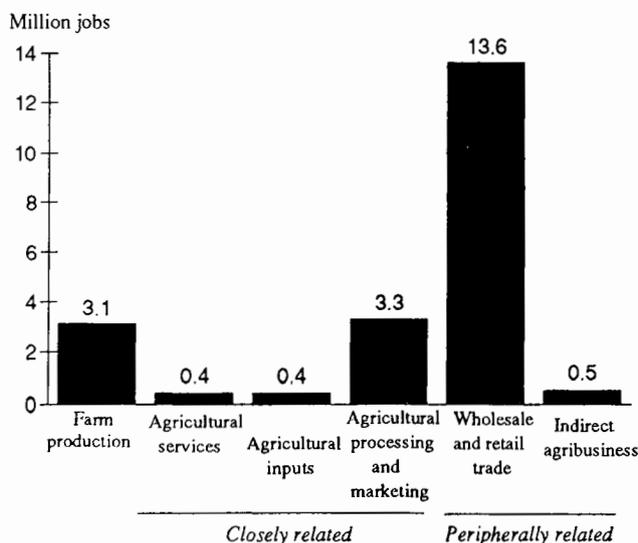
Agricultural input jobs were most important in Iowa (1.9 percent of total employment), Nebraska (1.6 percent), and North Dakota (1.4 percent).

Agricultural processing and marketing provided over 5 percent of total State employment in North and South Carolina, Alabama, Mississippi, Arkansas, and Georgia. The apparel and textile industry is the source of much of this employment in these States.

Estimates of farm and farm-related employment differ from those previously released by ERS because the list of industries considered to be related to farming has been updated. For example, establishments that provide landscape and horticultural services are no longer defined as farm-related, a change that reduces agricultural services employment in 1990 by 455,000 jobs.

Farm and farm-related employment, 1990

Wholesale and retail trade, although only peripherally related to farming, accounted for most farm and farm-related employment.



To Order This Report...

The information presented here is excerpted from *U.S. Farm and Farm-Related Employment in 1990: A Significant Source of Jobs in Many Areas*, AIB-686, by Jacqueline Salsgiver and T. Alexander Majchrowicz. Cost is \$7.50.

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SUMMARY OF REPORT AER-676

Hired Labor Most Important to Fruit, Vegetable, Horticultural Farms

December 1993

Contact: Vic Oliveira, 202-219-0932

Fruit, vegetable, and horticultural specialty (FVH) farms spend nearly six times as much on hired and contract labor per farm as do other farm types. According to a new report by USDA's Economic Research Service, *Hired Farm Labor Use on Fruit, Vegetable, and Horticultural Specialty Farms*, FVH farms that used hired and/or contract labor had average labor expenses of \$52,446 per farm, compared with \$8,886 for all other types of farms.

Because of the unique nature of FVH production, its use of labor differs markedly from that on other types of farms. Although much of U.S. farm production is mechanized, many FVH crops require hand harvesting to preserve the quality and value of the produce, especially that intended for fresh market where consumers prefer an unblemished appearance. Thus, labor is the largest input expense on FVH farms, accounting for 37-44 percent of total production expenses, compared with an average of 8 percent on all other types of farms.

Factors Likely To Affect Farm Labor Patterns

Immigration Reform. FVH production requires a large number of workers for short, intermittent periods during critical planting and harvest seasons. Migrant farmworkers and undocumented foreign workers are often associated with seasonal hand-harvest jobs in the FVH sector. Changes in immigration policy or stricter enforcement may affect the supply of foreign farmworkers, while changes in Federal laws and programs designed to benefit farmworkers may make seasonal work more attractive to both U.S. and foreign workers.

Consumer Demand. The share of all U.S. farm labor expenses attributed to FVH farms grew from 34 percent in 1974 to 41 percent in 1987. Population

growth and an increased concern over a healthy diet have increased consumer demand for fresh fruits and vegetables in the United States. The production of horticultural specialties has experienced an even greater increase than fruits and vegetables. As measured by grower cash receipts, the output of greenhouse and nursery crops increased 7 percent annually between 1970 and 1992.

Foreign Trade. Modification of current agricultural trade policies could alter the flow of fruits, vegetables, and horticultural specialties between the United States and other countries, and thus affect the demand for labor in the United States. NAFTA's impact on the U.S. farm labor market is unclear. The cumulative effect of increases and decreases in U.S. production for various commodities (each demanding varied amounts of labor) will determine the net effect of NAFTA on the demand for labor.

To Order This Report...

The information presented here is excerpted from *Hired Farm Labor Use on Fruit, Vegetable, and Horticultural Specialty Farms*, AER-676, by Victor J. Oliveira, Anne B.W. Effland, Jack L. Runyan, and Shannon Hamm. Cost is \$9.

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