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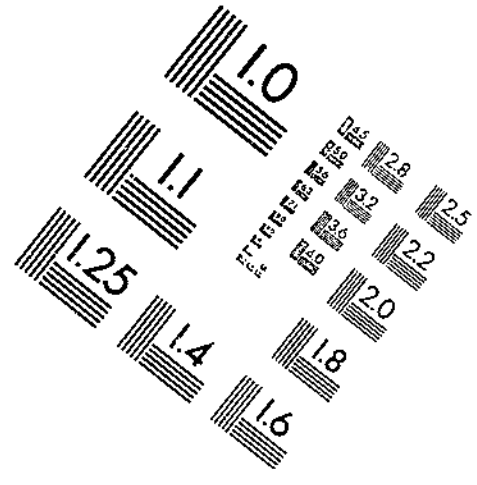
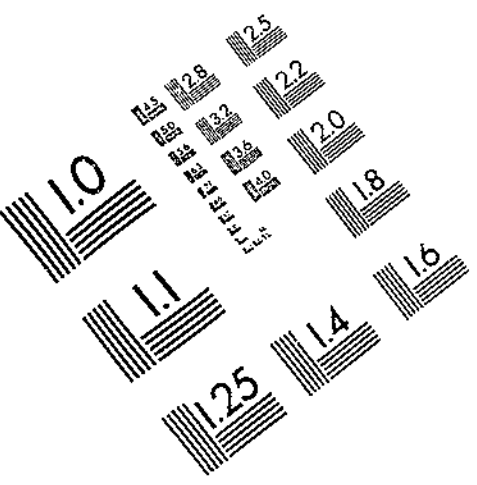
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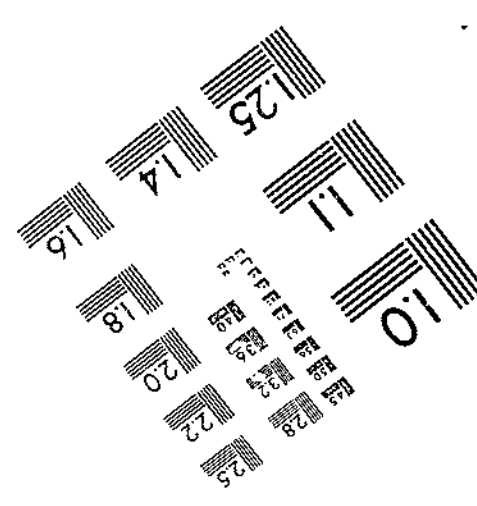
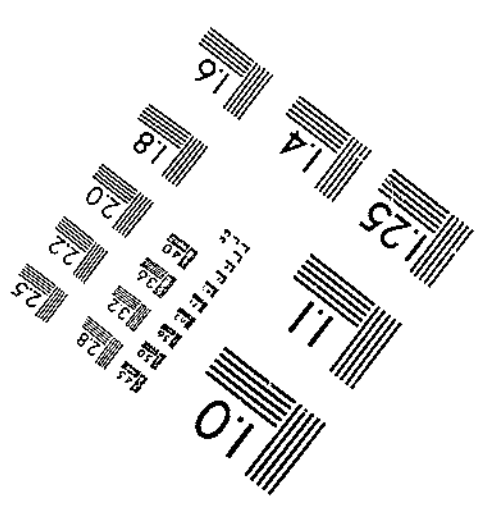
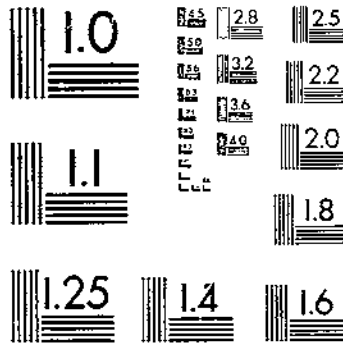
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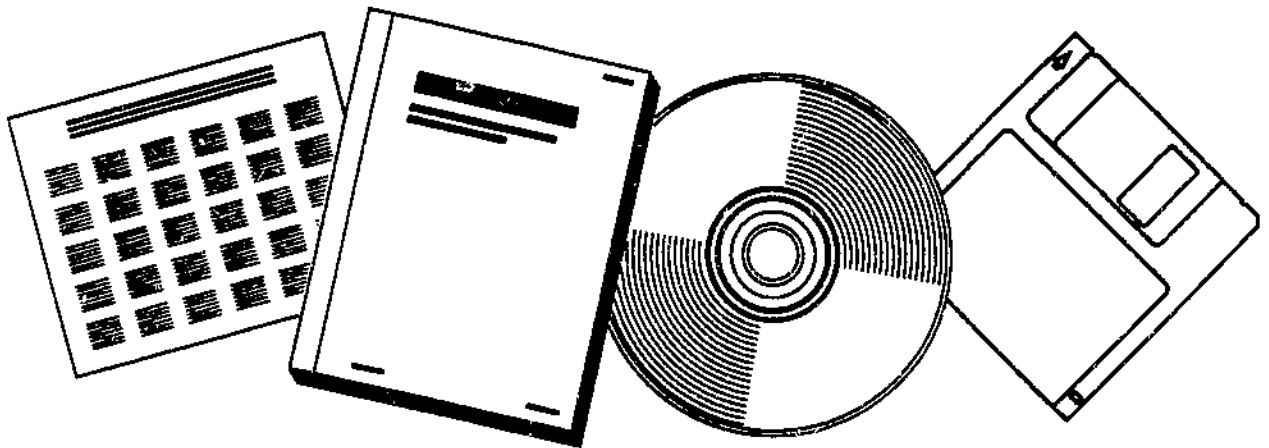
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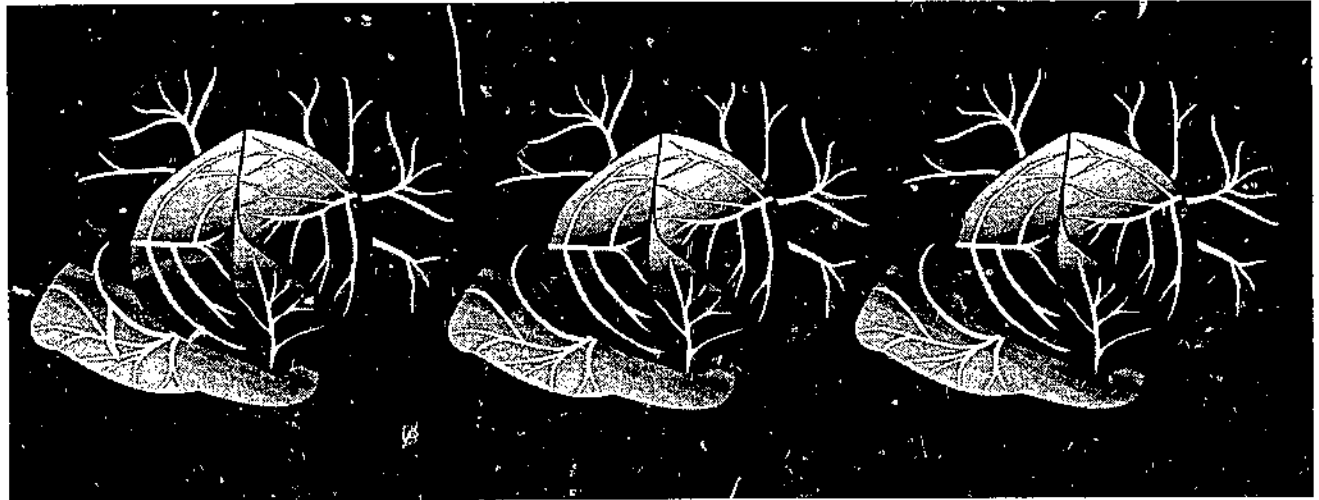
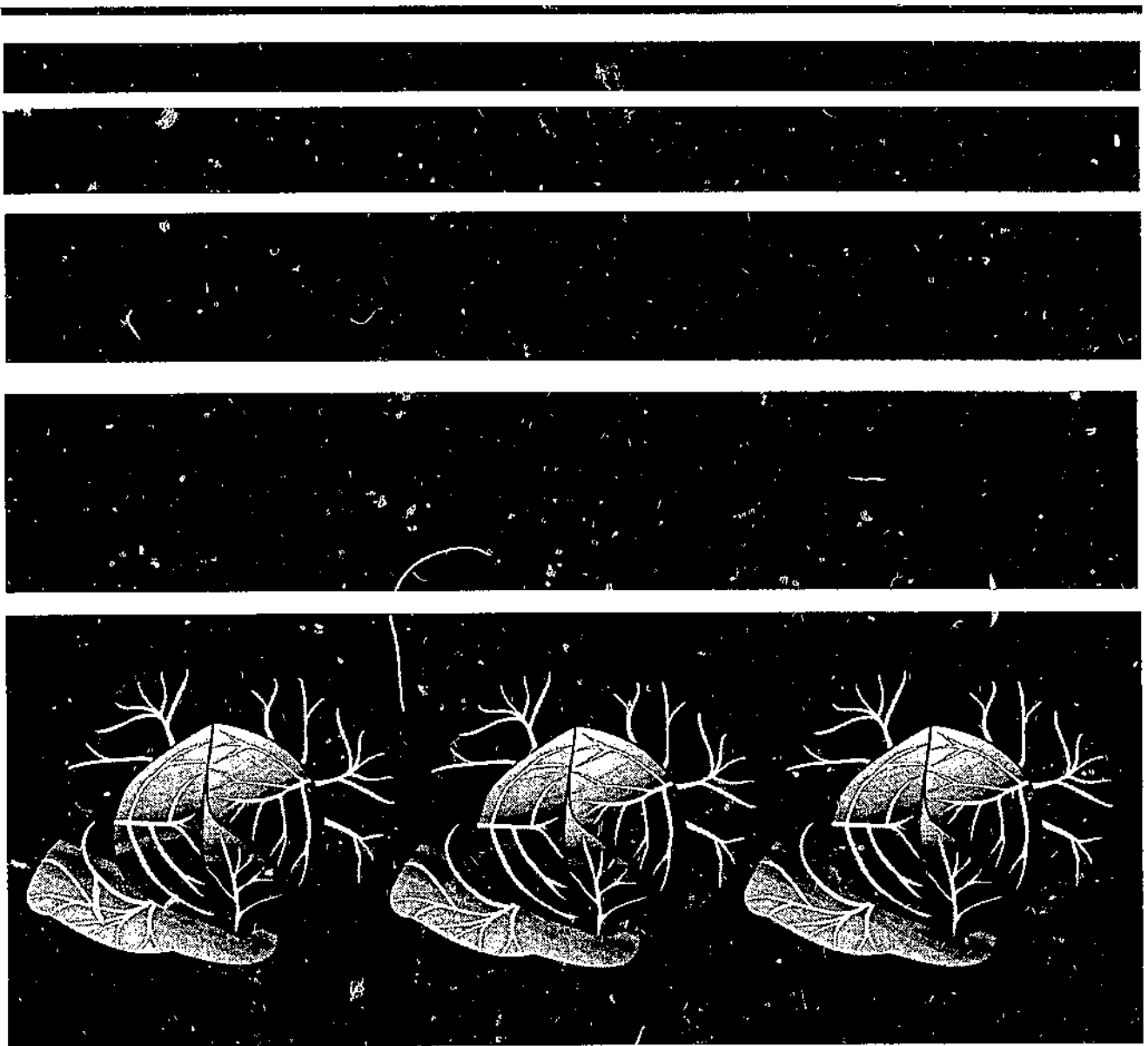
An Economic Research Service Report

U.S. Cabbage Statistics, 1960-94

Charles S. Plummer
Wynnice P. Napper



PB96-106836



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Abstract

U.S. annual per capita use of cabbage is higher than it is for any other cruciferous vegetable, including broccoli, cauliflower, kale, brussels sprouts, and turnips. In 1994, per capita use in fresh weight equivalent was 10.9 pounds, 89 percent of which was marketed in fresh form. Per capita use has changed only slightly since 1970, when it was 11.1 pounds per person, 79 percent of which was marketed in fresh form. This bulletin provides detailed statistics on cabbage for the United States and individual cabbage-producing States for 1960-94. Acreage, yield, production, and value are presented by State. Data are categorized by fresh cabbage and cabbage grown for sauerkraut production. Additional statistical series, such as prices, price indexes, price spreads, shipments, exports, imports, world production and harvested acreage, and costs of production, are included.

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Summary

U.S. annual per capita demand for cabbage is higher than it is for any other cruciferous vegetable, including broccoli, cauliflower, kale, brussels sprouts, or turnips. The U.S. cabbage market includes both fresh cabbage—for uses like cole slaw, egg rolls, and cooking—and cabbage grown for sauerkraut production. Most U.S. cabbage sales are for the fresh product; only 13 percent of total production was processed into kraut in 1994. Cabbage use had declined since the 1940's, when more fruits and vegetables began to be available year-round. But, between 1970 and 1994, the consumption rate for cabbage declined only slightly from 11.1 to 10.9 pounds per person, with 80-90 percent consumed in fresh form. Overall cabbage production from 1960 to 1994 trended upward slightly, particularly during the 1990's, reaching 29 million hundredweight (cwt) in 1994.

This report provides detailed statistics on cabbage for the United States and for individual cabbage-producing States between 1960 and 1994. Acreage, yield, production, and value are presented by State. Data are also categorized by fresh cabbage and by cabbage grown for sauerkraut production. Additional statistical series, such as prices, price indexes, price spreads, export shipments, imports, world production and harvested acreage, as well as costs of production, are included to provide a comprehensive source of cabbage data in a single publication.

Cabbage production has become more concentrated over the last 30 years, with fewer States accounting for a higher percentage of the crop. For fresh cabbage, New York leads with 21 percent, followed by Texas and California with 16 percent each. Wisconsin produces about 55 percent of cabbage for sauerkraut. In 1994, the value of fresh market cabbage totaled nearly \$237 million, while that of cabbage for sauerkraut was just \$7.4 million. Cabbage produced for sauerkraut, though 13 percent of production, accounts for just 3 percent of total crop value.

Cabbage yields have increased since 1960. Fresh market yields have gone from 176 cwt per acre to 343 cwt per acre, while processing yields have nearly doubled from 15.50 short tons per acre to 29.41 tons per acre. In fact, production has actually risen by 22 percent despite a 37-percent decline in harvested acreage since 1960.

In 1993, the United States accounted for only 4 percent of world cabbage production, with China providing 23 percent and Russia, 12 percent. Nevertheless, the United States is a net exporter of fresh cabbage and sauerkraut. In 1994, the United States exported nearly 83 million pounds of fresh cabbage while importing 52 million pounds. Ninety-one percent of U.S. exports of fresh cabbage are destined for Canada. On the other hand, 74 percent of fresh cabbage imports come from Canada. Canada also received 92 percent of the 8.7 million pounds of sauerkraut exported by the United States in 1994, while 81 percent of the 6.5 million pounds of sauerkraut imported by the United States came from Poland.

U.S. Cabbage Statistics, 1960-94

Charles S. Plummer and Wynnice P. Napper

Introduction

Cabbage accounts for more per capita use than any other cruciferous vegetable, including broccoli, cauliflower, kale, collards, brussels sprouts, and turnips. In 1994, per capita use was 10.9 pounds, 89 percent of which was marketed in fresh form (fig. 1).

This bulletin provides detailed statistics on cabbage for the United States and individual cabbage-producing States for 1960-94. Acreage, yield, production, and value are presented by State and according to use (fresh and sauerkraut). Additional statistical series such as prices, price indexes, price spreads, shipments, exports, imports, world production and harvested acreage, and costs of production are included to provide a comprehensive source of cabbage data in a single publication.

History of Cabbage

Cabbage probably originated in Asia Minor or the Eastern Mediterranean area, but the exact age and origin are uncertain. Hard-heading (compact leaves) varieties were discovered around the 9th century. The Celts of central and western Europe are generally credited with the distribution and popularization of cabbage as a food plant. By the mid-1500's, cabbage was introduced to North America and was probably planted by early colonists in what is now the United States. German settlers often soured cabbage and served it as sauerkraut, and New Englanders often served cabbage boiled. In 1993, the United States ranked seventh in world cabbage production with 4 percent of the world total. China was the leading producer with 23 percent of the world total.

In the United States today, most cabbage is consumed in fresh form. Per capita use has been on a downward trend since the 1940's, probably due to increased competition from other foods, particularly other fruits and vegetables. Before the mid- to late 1940's, many fruits and vegetables were not as transportable or as storable as cabbage. With improved technology, more fruits and vegetables have become available year-round and have increased competition with cabbage, particularly during the winter months, at which time cabbage once had a strong storage advantage.

U.S. Production

The U.S. cabbage industry markets its product largely in the fresh market and as sauerkraut. Other cabbage-containing products, such as cole slaw and egg rolls, are produced from fresh-market supplies. The major types of cabbage include savoy, danish, red, and Chinese (also called Napa). Varieties used to produce sauerkraut could also be sold on the fresh market but are usually earmarked for kraut before planting through contracts with processors. However, most U.S. cabbage production goes for fresh market sales, with 13 percent of total production being processed into kraut in 1994.

Since 1960, total cabbage production has trended up slightly due to increases in cabbage for fresh market (fig. 2). However, trends since 1960 show a decrease in production of cabbage for sauerkraut, often showing significant changes from year to year. Much of this decrease occurred during the 1980's, when cabbage production was not reported by USDA's National Agricultural Statistics Service (NASS).

As with most other vegetables, cabbage growers have been able to increase yields over time. Since 1960, fresh-market yields have gone from 176 hundredweight (cwt) per acre to 343 cwt per acre, while processing yields have doubled from 15.50 short tons per acre to 29.41 tons per acre (fig. 3). In fact, because of improved yields, production actually rose slightly despite a 37-percent decline in harvested acreage since 1960 (fig. 4). Processing yields tend to be much higher due to a combination of higher plant populations (fresh heads are spaced further apart than processing varieties) and denser (heavier) heads.

Like most commercial vegetable production over the last 30 years, fresh-market cabbage production has become more concentrated. Fewer States are now commercially producing cabbage, with the leading States accounting for a larger percentage of the total than in 1960. In 1994, 16 States commercially produced fresh-market cabbage, with the top 5 accounting for 75 percent of the total. New York led with 21 percent of the total, followed by Texas and California, each with 16 percent, and Georgia and Florida, each with 11 percent. In 1960, production was distributed among 34 States, with California, Texas, New York, Florida, and Georgia accounting for less than 57 percent of production. In 1960, Texas and Florida led with nearly 16 percent of total production each, followed by California (13 percent).

Production of cabbage for sauerkraut has also become more concentrated over the last 30 years. Although a number of States produce small quantities of sauerkraut, Wisconsin and New York now account for about 87 percent of the output. In the early 1990's, about 30 firms produced sauerkraut in the United States. Wisconsin accounted for 55 percent of production in 1994, and New York accounted for 33 percent. In 1960, New York was the largest producer of cabbage for sauerkraut at 38 percent of the U.S. total. Wisconsin was second with 28 percent, followed by Ohio at 11 percent.

Value of Production

In 1994, the value of fresh-market cabbage totaled nearly \$237 million, while cabbage for sauerkraut was just \$7.3 million (fig. 5). Cabbage produced for sauerkraut accounts for 13 percent of total cabbage production but accounts for only 3 percent of total crop value.

Fresh-market cabbage has a higher per unit value than cabbage grown for sauerkraut. Since 1960, fresh-market unit value has grown at a greater rate than cabbage for sauerkraut, though both have seen an upward trend (fig. 6). During the same time, fresh-market cabbage has also seen more dramatic yearly changes in per unit and total value than has cabbage for sauerkraut, but fresh-market prices have always been two to five times higher than prices for cabbage for sauerkraut. The difference between fresh and processed value is primarily because of higher costs associated with harvesting and marketing fresh cabbage.

Foreign Trade

The United States is a net exporter of fresh cabbage and sauerkraut (tables 62 and 64). In 1994, the United States exported nearly 83 million pounds of fresh cabbage while importing 52 million pounds (fig. 7).

The majority of U.S. exports of fresh cabbage are destined for Canada, accounting for 91 percent. On the other hand, 74 percent of fresh cabbage imports come from Canada. Canada also received 92 percent of the 8.7 million pounds of sauerkraut exported by the United States in 1994, while 81 percent of the 6.5 million pounds of sauerkraut imported by the United States came from Poland.

Sources of Cabbage Statistics

Cabbage statistics are primarily published in various USDA publications but are also released by other Government departments, such as the U.S. Department of Labor and the U.S. Department of Commerce. The following is a summary of some the statistics found in this publication along with their sources.

- **Acreage, yield, production, and value**—published annually by USDA's National Agricultural Statistics Service (NASS) in the *Vegetables Summary* report released in January. Includes data for both fresh and processing markets by State for the latest 3 years. This information again became available in 1992 after data collection was suspended for budgetary reasons following the 1981 release.
- **Value of production and season-average price**—published annually by USDA's NASS in the *Crop Values* report released in January. Published only at the U.S. level in this release, with more detail provided in the *Vegetables Summary* report.
- **Shipments and arrivals**—published weekly by USDA's Agricultural Marketing Service (AMS), with annual supplements aggregating data to monthly totals. Describes the volume of fresh-market cabbage originating from major shipping points and volume shipped to (arriving at) major cities.
- **Fresh-market free on board (f.o.b.) and wholesale prices**—released daily by various offices of the Market News Service of USDA's AMS with an annual summary titled *Fresh Fruit and Vegetable Prices*. The summary report details monthly averages by leading f.o.b. shipping points and New York and Chicago wholesale markets.
- **Foreign trade**—data released monthly by the U.S. Department of Commerce's Bureau of the Census and cover export and import volume and value for fresh cabbage and sauerkraut. USDA's Economic Research Service (ERS) *Foreign Agricultural Trade of the United States (FATUS)*, periodical published bimonthly, includes monthly imports and exports for fresh and processed cabbage. Fresh cabbage imports are reported monthly by USDA's Foreign Agricultural Service (FAS) in *World Horticultural Trade and U.S. Export Opportunities Report*. ERS reports quarterly and annual fresh and processed cabbage trade three times a year (April, July, and November) in *Vegetables and Specialties Situation and Outlook Report*.
- **Retail prices**—released monthly for fresh-market cabbage by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). The BLS retail price series is also reported with historical context by ERS in the *July Vegetables and Specialties Situation and Outlook Yearbook*.
- **Census of Agriculture**—published every 4 or 5 years by the Bureau of the Census, an agency of the U.S. Department of Commerce. Contains State and county-level data on acreage, number of farms, and characteristics of farms and farmers growing cabbage.
- **Per capita use**—published by ERS for fresh cabbage and cabbage for kraut (fresh equivalent basis) in the *July Vegetables and Specialties Situation and Outlook Yearbook*. Per capita use data are also published in ERS' annual *Food Consumption, Prices, and Expenditures Report*.
- **World acreage and production**—produced for all cabbage by the Food and Agriculture Organization of the United Nations, (FAO). Data are presented in the *FAO Yearbook* and is also released electronically.
- **Sauerkraut stocks and shipments**—published monthly by the National Kraut Packers Association.

Figure 1
U.S. per capita use of cabbage

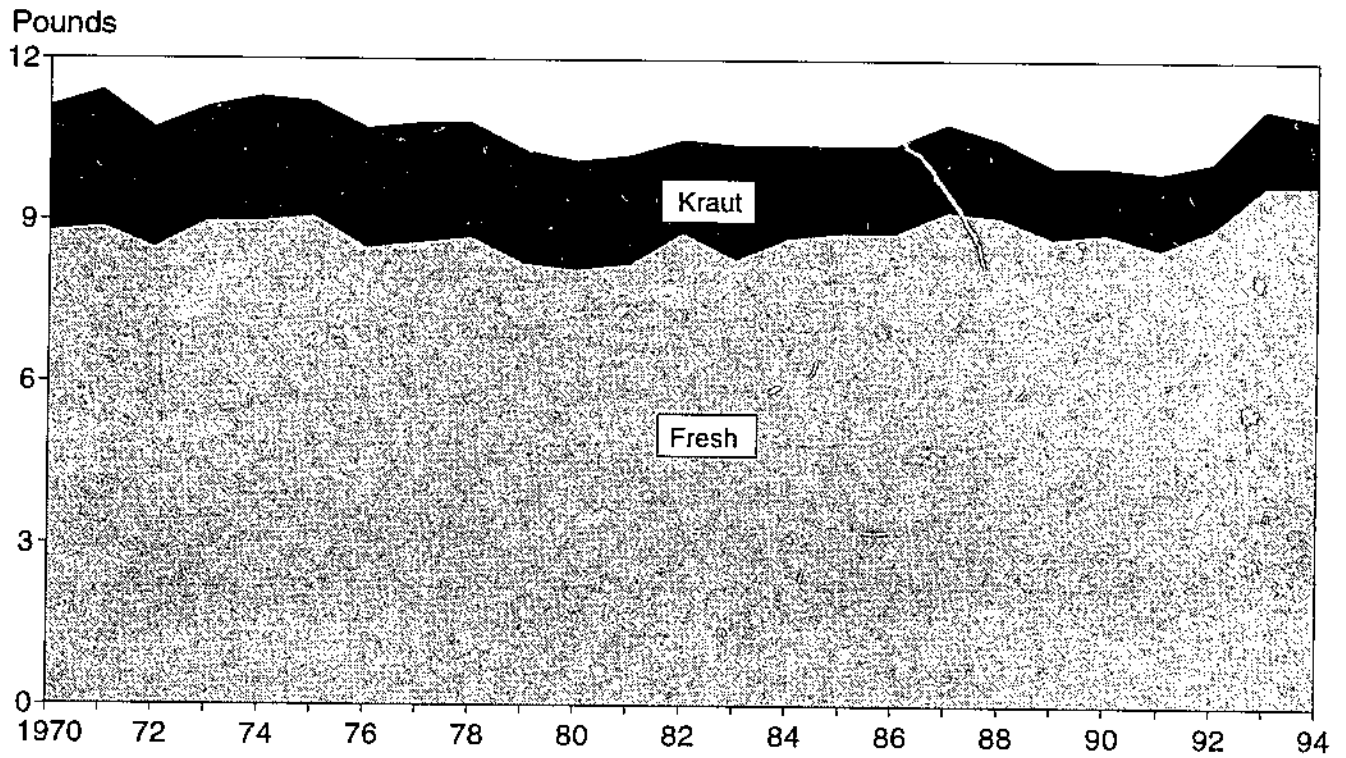


Figure 2
U.S. cabbage production

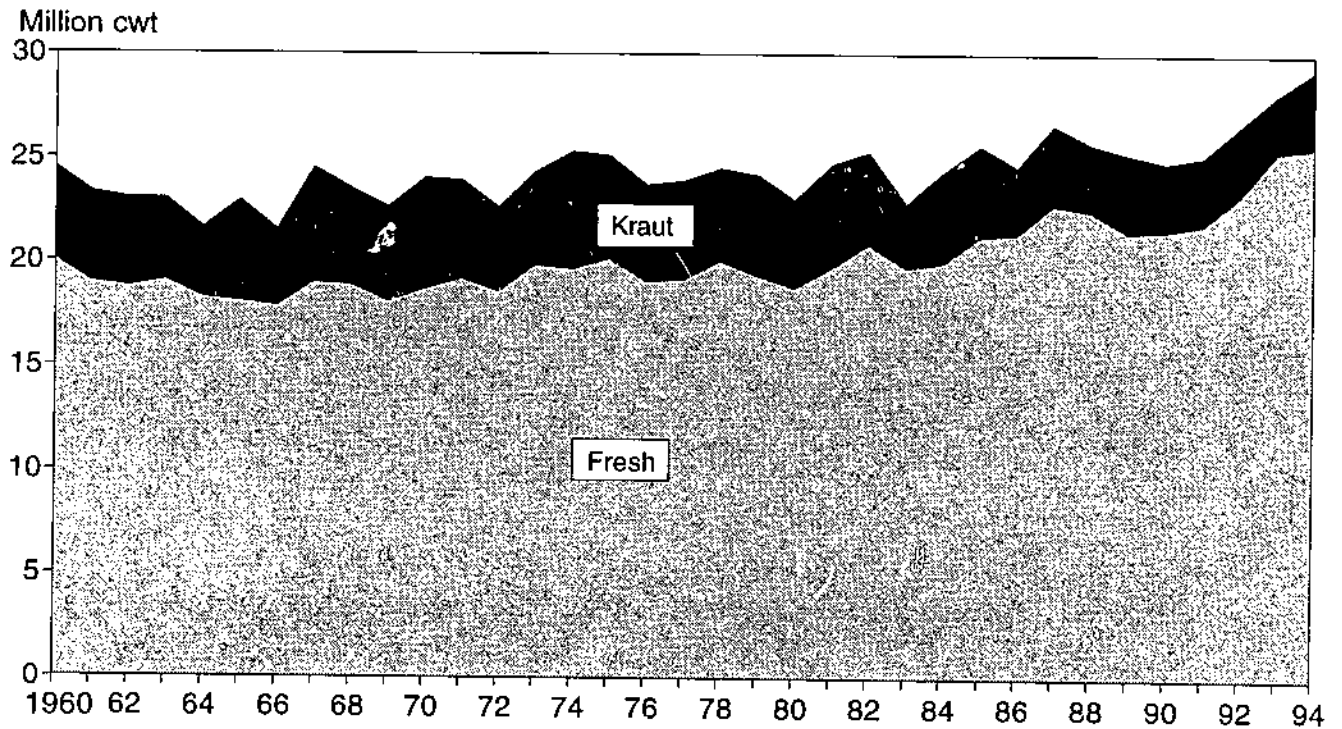


Figure 3

U.S. average cabbage yields

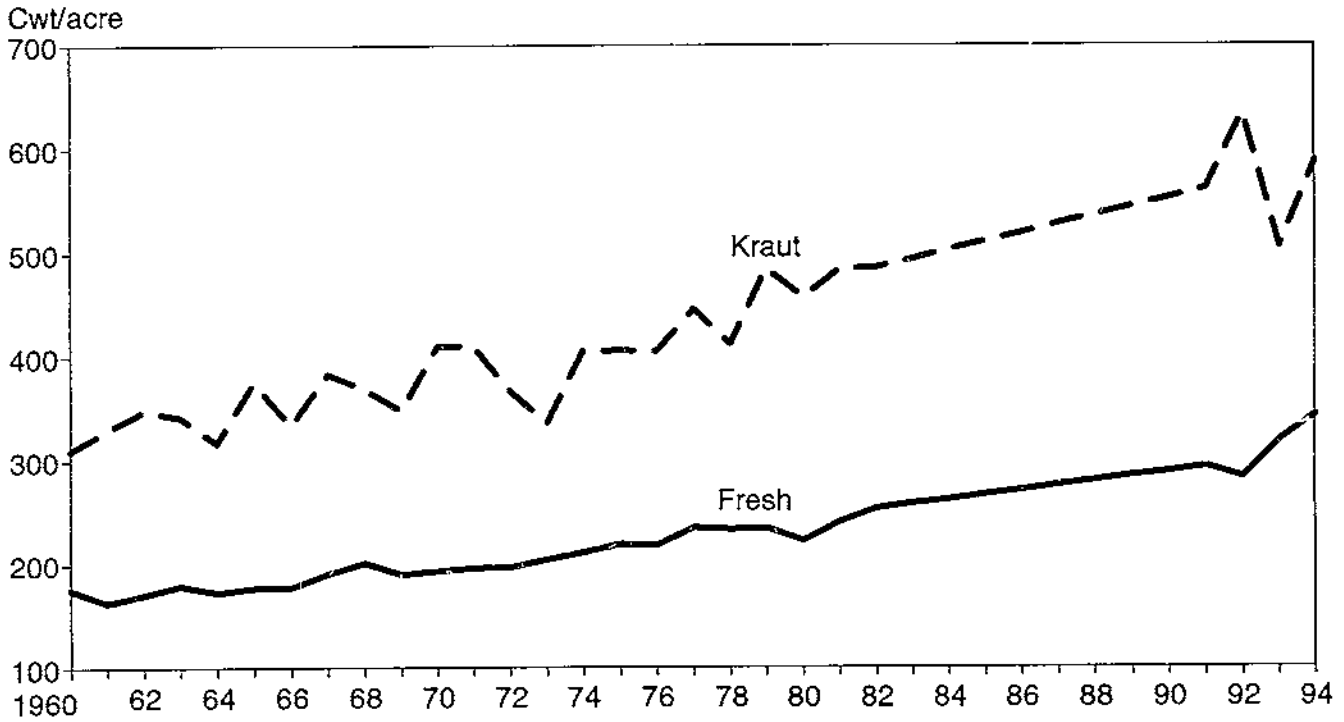


Figure 4

U.S. harvested cabbage acreage

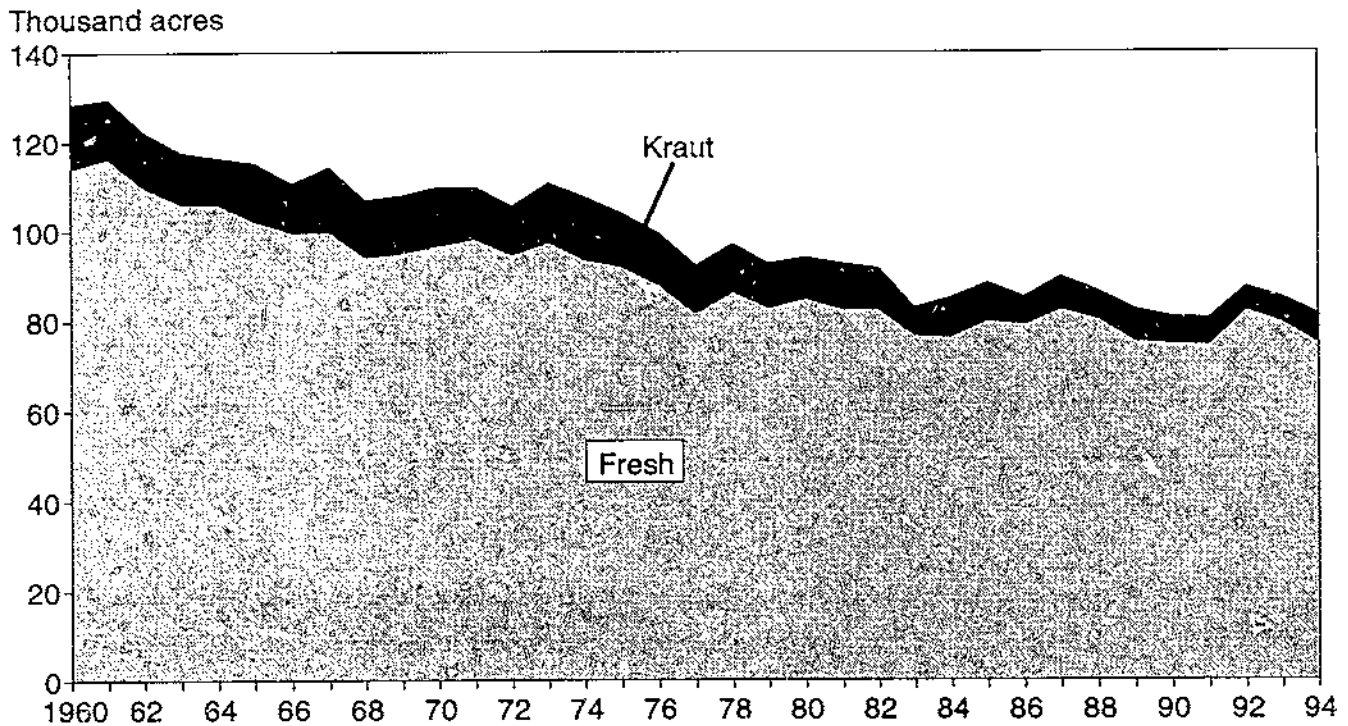


Figure 5

U.S. value of cabbage production

Million dollars

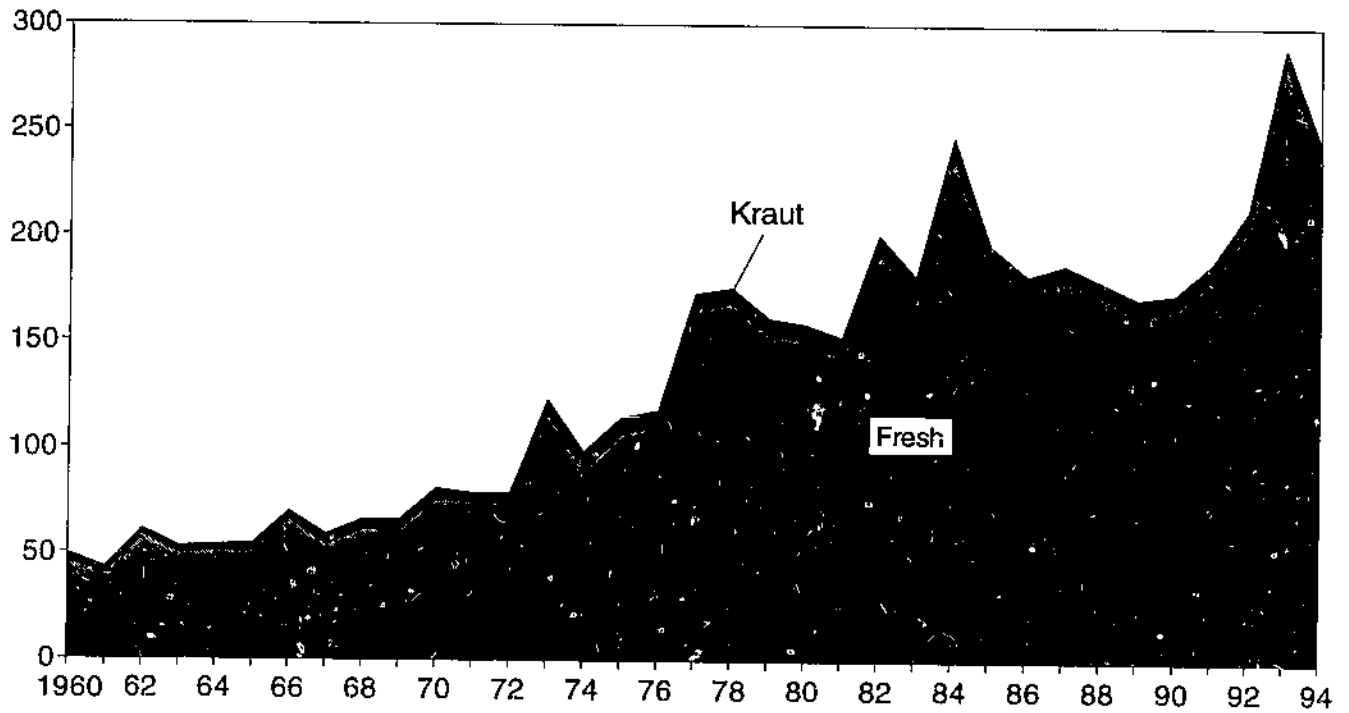


Figure 6

U.S. season-average cabbage prices

Dollars/cwt

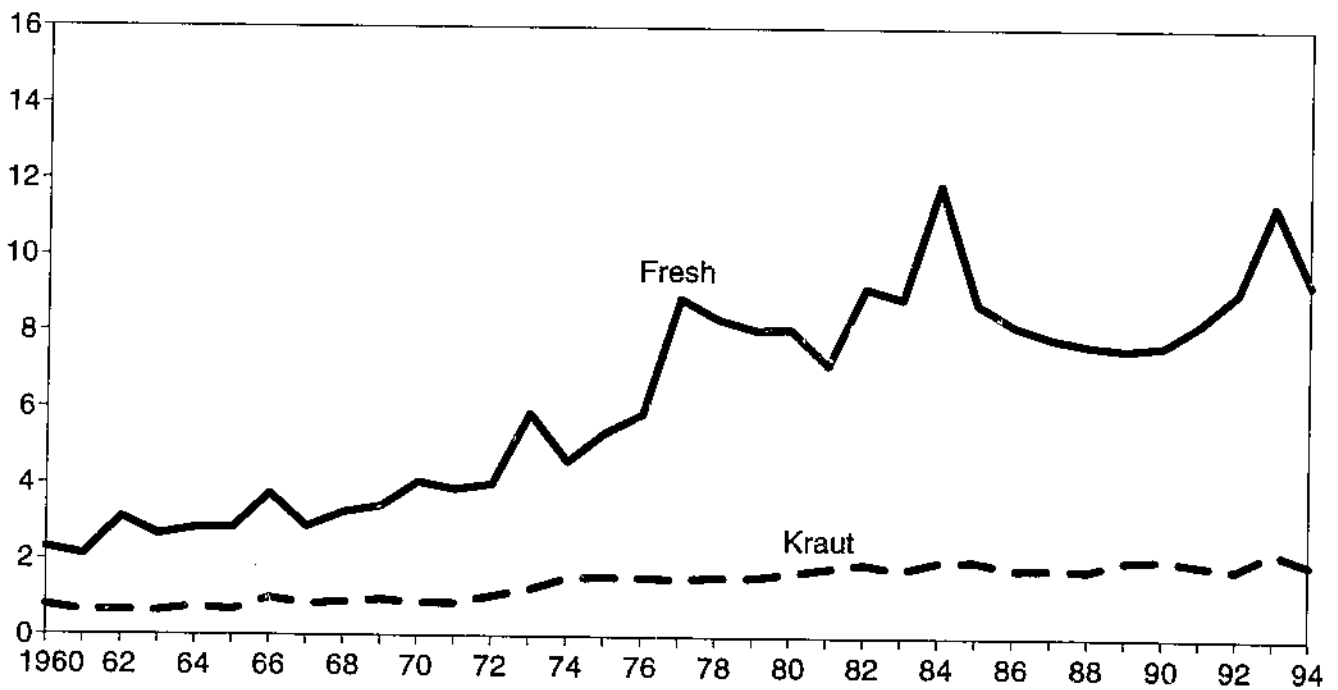


Figure 7

U.S. fresh cabbage trade

Million pounds

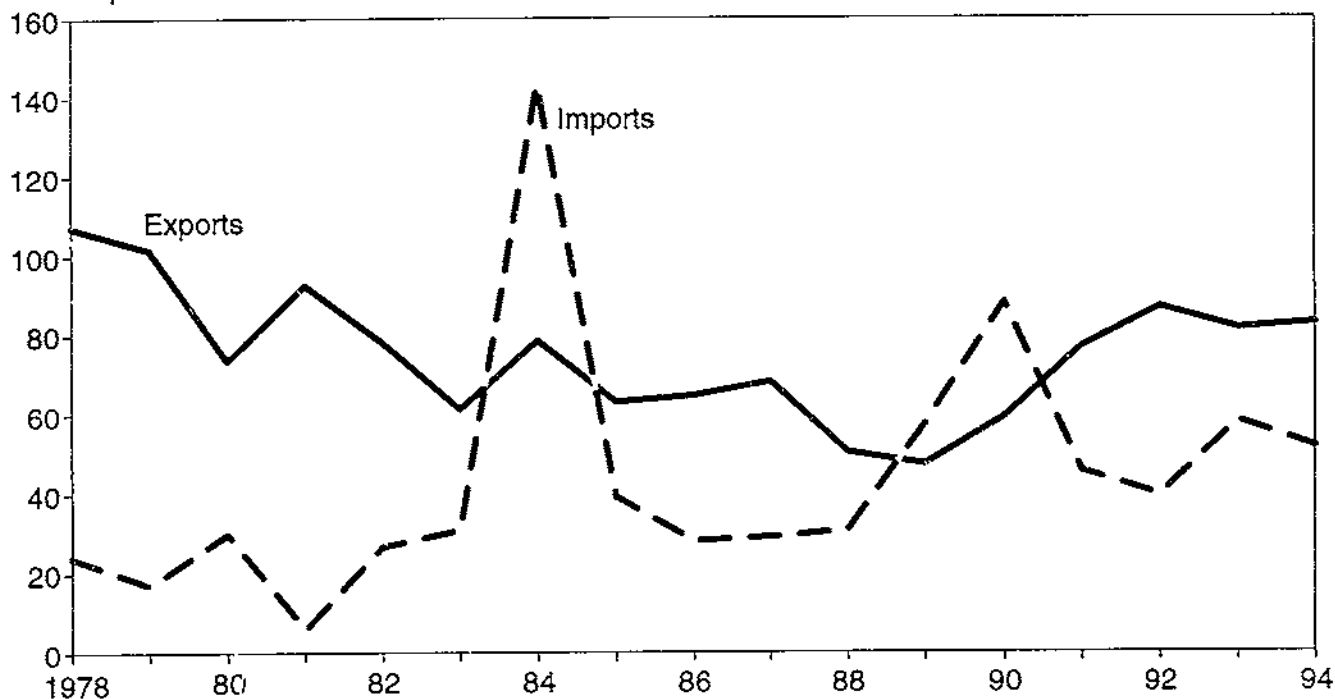


Figure 8

World cabbage production, 1993

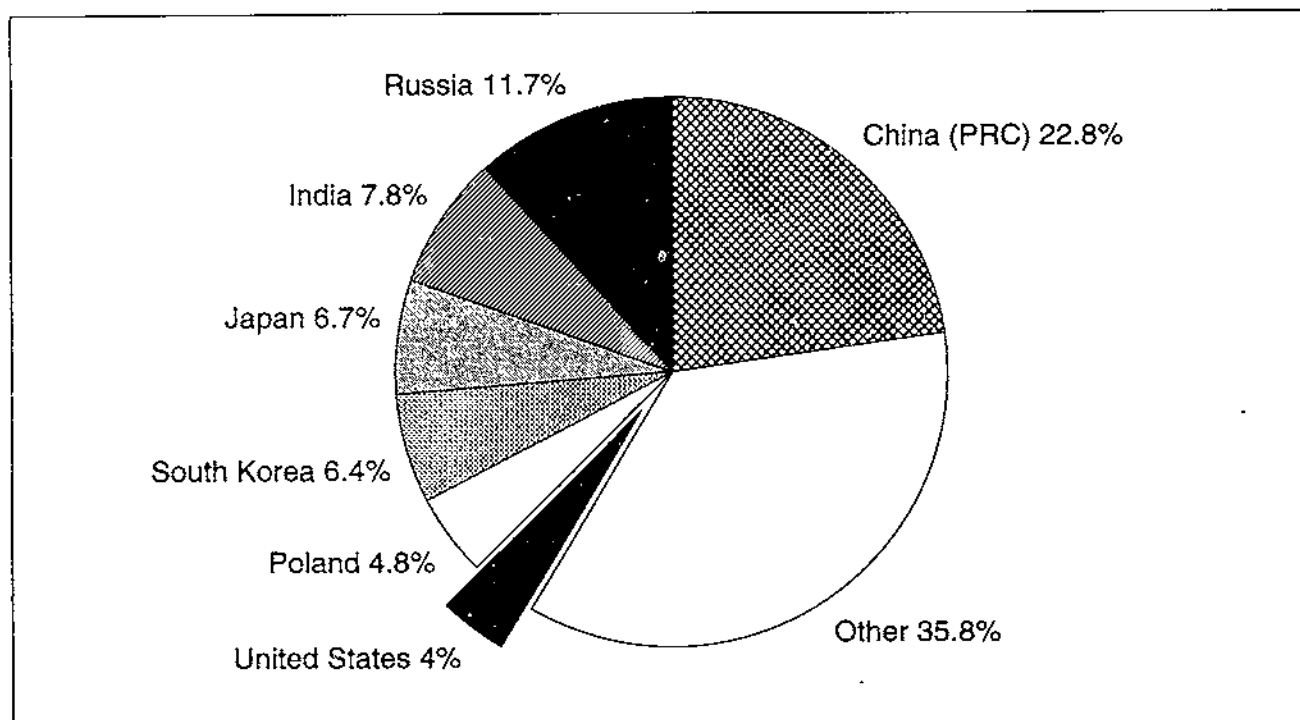


Table 1--U.S. fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield 1/ Cwt	Production 1,000 cwt	Farm value	
	Planted	Harvested			Per unit 1/ \$/cwt	Total \$/1,000
	----- Acres -----					
1960	118,940	114,055	176	20,105	2.30	46,146
1961	120,575	116,275	163	18,980	2.11	40,098
1962	117,750	109,940	171	18,845	3.10	58,382
1963	109,950	106,105	180	19,080	2.65	50,556
1964	111,280	106,010	173	18,345	2.81	51,467
1965	109,900	102,360	177	18,130	2.83	51,389
1966	104,200	99,820	178	17,799	3.74	66,534
1967	105,950	99,900	191	19,037	2.86	54,357
1968	99,950	94,210	201	18,948	3.25	61,647
1969	101,200	95,100	190	18,058	3.42	61,825
1970	101,630	96,830	193	18,661	4.06	75,811
1971	102,260	98,180	196	19,215	3.87	74,347
1972	100,430	94,630	197	18,611	4.00	74,396
1973	103,130	97,530	204	19,907	5.87	116,944
1974	101,810	93,480	211	19,712	4.60	89,440
1975	97,620	92,040	219	20,197	5.37	106,508
1976	95,110	87,860	218	19,122	5.87	110,405
1977	88,730	81,510	235	19,174	8.91	165,548
1978	93,800	86,380	233	20,134	8.37	168,485
1979	95,910	82,820	234	19,369	8.09	153,528
1980	94,140	84,780	222	18,849	8.10	151,103
1981	91,520	82,440	240	19,811	7.16	143,110
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	88,900	82,150	283	23,267	9.11	207,108
1993	84,500	79,550	319	25,360	11.40	284,121
1994	79,800	74,810	343	25,637	9.34	236,873

-- = Not available.

1/ Yield and per-unit value were derived from NASS data for 1960-74.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 2--U.S. cabbage for sauerkraut: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				----- Short tons -----	
1960	14,300	14,200	15.50	220,460	15.51	3,419
1961	13,180	13,090	16.50	215,700	12.74	2,747
1962	12,330	12,130	17.40	211,270	13.25	2,800
1963	11,680	11,530	17.10	197,260	13.04	2,572
1964	10,490	10,280	15.84	162,850	15.40	2,501
1965	12,920	12,750	18.74	238,910	13.60	3,259
1966	10,910	10,760	16.69	179,560	20.00	3,596
1967	14,430	14,280	19.15	273,400	17.00	4,653
1968	12,760	12,560	18.46	231,850	18.00	4,179
1969	13,140	12,780	17.41	222,500	19.00	4,237
1970	14,010	12,980	20.50	266,100	17.70	4,707
1971	11,940	11,460	20.50	234,950	17.50	4,111
1972	11,520	10,800	18.34	198,100	21.40	4,245
1973	13,900	13,040	16.81	219,150	24.80	5,424
1974	14,700	13,910	20.23	281,450	31.00	8,720
1975	12,470	11,810	20.30	239,750	31.40	7,525
1976	12,010	11,470	20.23	232,050	31.20	7,235
1977	11,080	10,530	22.29	234,750	30.50	7,166
1978	11,360	10,570	20.60	217,790	31.50	6,857
1979	10,610	9,800	24.27	237,820	31.60	7,525
1980	9,850	9,140	22.87	209,020	34.10	7,121
1981	10,480	10,160	24.22	246,090	36.80	9,045
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	6,020	5,220	31.71	165,520	37.00	6,130
1993	6,240	5,320	25.29	134,520	46.60	6,270
1994	6,420	6,290	29.41	184,960	39.90	7,385

-- = Not available.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 3--Alabama fresh cabbage: Acreage, yield, production, and value, 1960-68

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	-----Acres-----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	500	500	105	52	3.70	192
1961	600	600	115	69	2.20	152
1962	600	600	105	63	3.60	227
1963	600	600	110	66	3.35	221
1964	650	650	100	65	3.80	247
1965	600	600	115	69	4.85	335
1966	600	600	120	72	4.35	313
1967	700	650	110	72	4.25	306
1968 1/	700	700	100	70	4.45	312

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 4--Alaska fresh cabbage: Acreage, yield, production, and value, 1960-68

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	-----Acres-----		Cwt	1/	\$/cwt	\$1,000
1960	50	35	103	3.6	9.70	31
1961	45	25	135	3.4	9.30	29
1962	40	30	120	3.6	10.30	33
1963	60	45	140	6.3	8.70	50
1964	40	30	84	2.5	9.90	25
1965	40	30	100	3.0	12.20	37
1966	40	30	95	2.8	11.00	31
1967	30	30	90	2.7	9.50	26
1968 2/	30	30	125	3.8	10.80	41

1/ Includes some quantities not marketed and excluded in computing value (cwt): 1960=400, 1961=300, 1962=400, 1963=600, 1964=200. 2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 5--Arizona fresh cabbage: Acreage, yield, production, and value, 1960-91

Year	Acreage		Yield	Production 1/	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$/1,000
1960	950	950	205	195	3.60	702
1961	1,000	1,000	180	180	2.55	459
1962	1,300	1,300	275	358	4.05	1,450
1963	1,500	1,500	205	308	3.60	1,109
1964	1,700	1,600	115	184	3.12	574
1965	1,300	1,200	140	168	4.15	697
1966	1,600	1,500	160	240	3.95	948
1967	1,700	1,600	170	272	4.30	1,170
1968	2,000	1,900	145	276	3.75	1,035
1969	1,400	1,260	122	154	4.10	631
1970	1,120	1,120	188	211	5.19	1,096
1971	1,460	1,460	126	184	4.92	905
1972	1,080	1,080	128	138	3.68	508
1973	1,050	1,050	154	162	5.22	846
1974	1,130	1,130	146	165	5.33	880
1975	650	650	171	111	5.27	585
1976	--	--	--	--	--	--
1977	--	--	--	--	--	--
1978	--	--	--	--	--	--
1979	--	--	--	--	--	--
1980	--	--	--	--	--	--
1981	--	1,054	--	122	--	--
1982	--	768	--	200	--	--
1983	--	957	--	193	--	--
1984	--	1,222	--	212	--	--
1985	--	798	--	177	--	--
1986	--	902	--	176	6.00	1,054
1987	--	723	--	200	6.54	1,307
1988	--	968	--	148	12.22	1,806
1989	--	1,468	--	307	10.40	3,194
1990	--	960	--	360	12.96	4,672
1991 2/	--	1,700	--	425	8.79	3,737

-- = Not available.

1/ Excludes the following quantities not harvested or marketed because of economic conditions (1,000 cwt): 1964=120, 1965=48.

2/ Last year available.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture (1960-75); Arizona Agricultural Statistics Service (1976-91).

Table 6--California fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield <i>Cwt</i>	Production 1/ <i>1,000 cwt</i>	Farm value	
	Planted	Harvested			Per unit	Total
	<i>Acres</i>				<i>\$/cwt</i>	<i>\$1,000</i>
1960	11,700	11,700	217	2,544	2.30	5,626
1961	10,100	10,100	213	2,150	2.25	4,605
1962	11,400	11,400	237	2,707	3.51	9,505
1963	11,200	11,200	231	2,586	2.70	6,988
1964	11,400	11,400	228	2,597	2.43	6,306
1965	11,100	11,100	219	2,427	2.87	6,976
1966	10,600	10,600	219	2,323	3.47	8,062
1967	11,100	11,100	239	2,656	2.68	7,119
1968	11,300	11,300	242	2,740	3.09	8,463
1969	9,100	8,500	208	1,767	3.19	5,642
1970	9,800	9,800	242	2,376	4.52	10,741
1971	10,000	10,000	222	2,223	3.87	8,601
1972	10,400	10,400	220	2,291	3.25	7,442
1973	10,200	10,200	216	2,207	5.27	11,633
1974	9,900	9,900	222	2,201	4.15	9,142
1975	9,200	9,200	223	2,051	4.80	9,850
1976	7,700	7,700	222	1,713	5.63	9,637
1977	7,500	7,500	245	1,838	8.47	15,573
1978	7,800	7,800	225	1,754	7.05	12,371
1979	8,500	8,500	235	2,000	7.87	15,738
1980	9,100	9,100	229	2,082	7.16	14,904
1981	9,100	9,100	212	1,928	7.42	14,309
1982	9,263	9,263	350	3,245	8.40	27,298
1983	8,551	8,551	300	2,564	8.65	22,235
1984	8,683	8,683	326	2,832	13.85	39,201
1985	8,461	8,461	329	2,787	7.85	21,864
1986	7,764	7,764	347	2,694	8.60	23,152
1987	7,573	7,573	301	2,282	8.35	19,020
1988	10,737	10,737	349	3,198	10.10	35,692
1989	9,334	9,334	348	3,075	10.95	34,788
1990	11,121	11,121	280	2,860	10.90	35,857
1991	10,304	10,304	337	3,473	10.87	37,750
1992	11,500	11,500	335	3,853	9.64	37,143
1993	12,000	12,000	360	4,320	13.70	59,184
1994	10,500	10,500	385	4,043	13.80	55,793

1/ Includes some quantities not marketed and excluded in computing value (1,000 cwt): 1960=108, 1961=100.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture (1960-81 and 1992-94); California Agricultural Statistics Service (1982-91).

Table 7--Colorado fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield Cwt	Production 2/ 1,000 cwt	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				\$/cwt	\$1,000
1960	2,600	2,000	270	540	1.40	755
1961	2,600	2,300	270	621	1.25	778
1962	2,700	2,400	270	643	1.40	906
1963	2,500	2,400	260	624	1.77	1,107
1964	2,300	2,000	240	480	2.89	1,385
1965	2,300	1,700	250	425	1.72	732
1966	1,900	1,700	255	434	3.56	1,543
1967	2,200	1,700	255	434	1.95	845
1968	2,200	1,700	260	442	3.15	1,393
1969	2,200	1,900	260	494	2.49	1,232
1970	2,000	1,700	250	425	2.37	1,009
1971	2,100	1,900	235	447	2.51	1,121
1972	2,100	1,800	250	450	3.43	1,543
1973	2,400	1,800	268	482	7.28	3,510
1974	2,620	1,830	286	523	3.47	1,816
1975	1,130	1,040	316	329	4.29	1,412
1976	1,340	1,040	320	333	4.54	1,512
1977	1,420	1,230	304	374	4.90	1,834
1978	1,690	1,400	264	369	8.31	3,066
1979	1,800	1,500	300	450	6.70	3,015
1980	1,500	1,400	370	518	10.60	5,491
1981	1,700	1,400	380	532	7.99	4,251
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	1,300	1,200	330	396	5.90	2,336
1993	1,600	1,400	390	546	8.90	4,859
1994	1,800	1,700	480	816	7.80	6,365

-- = Not available.

1/ 1960-73 includes some cabbage for processing.

2/ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1967=24.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 8--Colorado cabbage for sauerkraut: Acreage, yield, production, and value, 1976-81

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		----- Short tons -----		\$/ton	\$1,000
1976	60	50	38.00	1,900	32.10	61
1977	80	70	35.00	2,450	41.60	102
1978	110	100	22.00	2,200	27.00	59
1979	110	100	25.50	2,550	27.10	69
1980	50	40	17.50	700	30.00	21
1981 1/	60	50	34.00	1,700	31.00	53

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 9--Connecticut fresh cabbage: Acreage, yield, production, and value, 1960-75 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	1,050	950	189	180	2.76	496
1961	1,000	950	180	171	3.25	555
1962	1,100	1,050	190	200	2.78	555
1963	950	900	190	171	3.23	552
1964	950	900	180	162	3.93	637
1965	950	900	171	154	3.19	491
1966	870	850	178	151	4.89	738
1967	800	800	196	157	3.40	534
1968	600	600	195	117	4.41	516
1969	1,600	1,450	192	279	4.32	1,204
1970	1,550	1,420	208	296	4.23	1,252
1971	1,350	1,200	226	271	4.28	1,160
1972	1,300	1,150	224	258	5.73	1,478
1973	1,390	1,280	229	293	7.97	2,336
1974	500	500	190	95	5.33	506
1975 2/	490	420	207	87	5.60	487

1/ Connecticut and Massachusetts are combined for 1969-73. 2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 10--Florida fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield Cwt	Production	Farm value	
	Planted	Harvested		2/	Per unit	Total
	----- Acres -----			1,000 cwt	\$/cwt	\$1,000
1960	19,500	17,900	175	3,132	2.60	7,353
1961	18,000	17,000	180	3,060	2.10	5,670
1962	15,500	14,500	185	2,682	5.30	14,215
1963	17,100	16,200	175	2,835	3.45	9,781
1964	18,100	16,600	155	2,573	2.69	6,921
1965	16,900	13,700	165	2,261	3.27	7,393
1966	15,100	14,500	205	2,973	3.55	10,554
1967	17,500	15,400	210	3,234	3.30	10,672
1968	17,600	17,000	230	3,910	3.50	13,685
1969	18,700	17,300	228	3,951	2.82	11,124
1970	18,500	17,500	177	3,105	5.17	16,067
1971	19,400	18,300	206	3,772	4.04	15,242
1972	19,300	17,700	209	3,700	4.05	14,996
1973	17,900	17,000	239	4,067	5.86	23,821
1974	18,350	16,650	237	3,953	4.37	17,277
1975	17,600	17,100	275	4,711	5.54	26,099
1976	17,880	16,880	258	4,361	4.78	20,856
1977	17,200	16,400	238	3,900	12.00	46,960
1978	18,600	17,400	206	3,585	8.36	29,963
1979	17,500	16,900	251	4,236	12.10	51,313
1980	19,200	16,400	238	3,903	6.12	23,872
1981	17,500	15,700	246	3,861	6.79	26,209
1982	16,500	14,200	218	3,096	10.86	33,611
1983	16,300	14,700	232	3,412	6.65	22,687
1984	19,000	11,000	224	2,469	16.50	40,736
1985	19,600	16,650	245	4,087	12.42	50,775
1986	18,850	14,400	205	2,946	9.07	26,714
1987	16,600	13,300	213	2,839	9.23	26,202
1988	17,100	15,600	210	3,280	9.01	29,559
1989	15,900	15,500	209	3,240	9.39	30,433
1990	14,300	12,900	215	2,774	13.91	38,575
1991	12,700	11,950	239	2,858	10.05	28,731
1992	12,900	12,200	235	2,867	10.80	30,964
1993	10,000	9,500	300	2,850	14.90	42,465
1994	9,300	8,800	320	2,816	10.50	29,568

1/ 1960-73 may include some cabbage for processing.

2/ Includes some quantities not marketed and excluded in computing value (1,000 cwt): 1960=304, 1961=360. Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1964=277, 1965=44, 1966=133, 1972=37.

Data for 1982-91 were converted from 50-pound crates.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture (1960-81 and 1992-94); Florida Dept. of Agriculture (1982-91).

Table 11--Georgia fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield Cwt	Production 1/ 1,000 cwt	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				\$/cwt	\$1,000
1960	3,700	3,400	106	360	3.53	1,058
1961	4,000	3,800	119	454	0.90	354
1962	4,200	4,100	124	507	2.91	1,474
1963	3,850	3,550	110	390	1.54	600
1964	3,400	3,200	105	336	1.46	491
1965	3,250	3,150	110	347	4.77	1,655
1966	3,150	2,850	124	352	3.00	1,055
1967	3,100	3,000	122	367	2.98	1,093
1968	3,100	3,000	112	335	2.97	995
1969	2,700	2,600	120	312	2.49	777
1970	2,600	2,500	110	275	4.32	1,188
1971	2,750	2,500	110	275	4.31	1,185
1972	2,900	2,600	115	299	3.90	1,166
1973	3,200	2,900	100	290	5.63	1,632
1974	3,800	3,000	112	335	3.73	1,249
1975	3,800	2,900	98	285	5.69	1,622
1976	4,000	3,200	90	288	4.48	1,291
1977	3,900	3,100	87	269	7.20	1,938
1978	3,700	3,000	127	380	8.33	3,165
1979	3,500	2,800	130	365	6.96	2,540
1980	3,400	2,700	122	329	10.00	3,298
1981	3,700	3,000	133	399	6.15	2,452
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	11,000	9,000	190	1,710	8.00	13,680
1993	12,000	11,000	310	3,410	9.80	33,418
1994	11,000	9,000	300	2,700	9.00	24,300

-- = Not available.

1/ Includes some quantities not marketed and excluded in computing value (1,000 cwt): 1961=60. Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1964=20.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 12--Hawaii fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			1/	Per unit
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	450	450	193	87	4.45	375
1961	500	500	180	90	4.05	353
1962	490	490	176	86	5.20	435
1963	420	420	207	87	4.90	413
1964	500	500	194	97	4.19	406
1965	480	480	192	92	5.02	462
1966	470	470	200	94	5.44	511
1967	500	500	196	98	6.30	615
1968	500	500	192	96	6.70	643
1969	440	420	238	100	5.80	580
1970	450	450	236	106	5.20	551
1971	370	370	254	94	7.80	733
1972	420	420	260	109	8.20	894
1973	430	430	230	99	8.60	851
1974	400	400	275	110	11.00	1,212
1975	420	420	275	116	10.00	1,160
1976	410	410	300	123	9.90	1,218
1977	440	440	295	130	11.20	1,456
1978	460	460	300	138	10.50	1,449
1979	450	450	300	135	11.30	1,526
1980	460	460	295	136	12.80	1,741
1981	510	510	250	128	14.00	1,792
1982	540	540	255	138	14.10	1,946
1983	550	550	273	150	11.80	1,770
1984	470	470	281	132	15.60	2,058
1985	460	460	289	133	16.30	2,168
1986	490	490	286	140	15.50	2,170
1987	510	510	293	150	14.60	2,183
1988	560	560	279	156	16.40	2,562
1989	650	650	242	158	17.90	2,819
1990	690	690	213	147	19.50	2,867
1991	620	620	240	149	19.70	2,935
1992	600	600	225	135	21.00	2,835
1993	600	600	230	138	19.00	2,622
1994	600	600	210	126	20.00	2,520

1/ Includes some quantities not marketed and excluded in computing value (1,000 cwt): 1960=3, 1961=3, 1962=3, 1963=3. Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1964=5, 1965=3, 1966=5, 1968=1.

Source: National Agricultural Statistical Service, U.S. Dept. of Agriculture (1960-81, 1992-94); Hawaiian Agricultural Statistics Service (1982-91).

Table 13--Idaho and Utah fresh cabbage: Acreage, yield, production, and value, 1960-64 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		<i>Cwt</i>	<i>1,000 cwt</i>	<i>\$/cwt</i>	<i>\$1,000</i>
1960	600	480	294	141	1.18	166
1961	520	500	320	160	1.01	161
1962	470	450	391	176	0.92	162
1963	390	360	347	125	1.14	143
1964 2/	380	360	361	130	1.27	165

1/ May include some quantities for processing.

2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 14--Illinois fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	2,000	2,000	215	430	2.20	948
1961	2,200	2,100	210	441	1.90	838
1962	2,200	2,100	210	441	2.00	882
1963	2,200	2,200	200	440	2.30	1,012
1964	2,200	2,200	185	408	3.25	1,326
1965	2,300	2,300	190	437	2.43	1,060
1966	2,300	2,300	165	380	4.63	1,759
1967	2,400	2,400	200	480	2.85	1,368
1968	2,300	2,300	195	448	3.45	1,546
1969	2,000	2,000	200	400	3.60	1,440
1970	1,900	1,900	190	361	4.08	1,473
1971	1,900	1,900	185	352	2.98	1,049
1972	1,700	1,700	180	306	3.86	1,181
1973	1,900	1,600	175	280	7.03	1,968
1974	1,660	1,460	180	263	4.27	1,123
1975	1,500	1,500	183	275	4.26	1,172
1976	1,600	1,600	206	329	4.07	1,339
1977	1,600	1,500	193	289	4.82	1,393
1978	1,600	1,500	204	306	7.08	2,166
1979	1,500	1,400	185	259	5.60	1,450
1980	1,400	1,300	170	221	8.50	1,879
1981	1,400	1,300	190	247	7.11	1,756
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	1,200	1,100	255	281	6.55	1,841
1993	1,100	900	180	162	8.83	1,430
1994	1,000	960	176	169	9.11	1,540

-- = Not available.

1/ 1960, 1965-66, and 1969-73 include some cabbage for processing.

Source: National Agricultural Statistics Service, U.S. Dept of Agriculture.

Table 15--Indiana fresh cabbage: Acreage, yield, production, and value, 1960-81 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	1,400	1,400	225	315	1.59	501
1961	1,300	1,300	195	254	1.67	424
1962	1,200	1,200	225	270	1.60	432
1963	1,300	1,300	245	318	1.77	563
1964	1,100	1,100	225	248	2.05	509
1965	1,100	1,100	260	286	1.89	540
1966	1,200	1,200	215	258	4.34	1,119
1967	1,200	1,200	235	282	2.30	648
1968	1,100	1,100	200	220	2.77	610
1969	1,000	1,000	235	235	2.54	596
1970	1,100	1,100	255	281	2.84	797
1971	1,100	1,100	255	281	2.60	730
1972	930	900	240	216	3.67	792
1973	1,200	1,000	250	250	6.38	1,595
1974	1,090	1,090	277	302	4.04	1,221
1975	950	950	292	277	4.49	1,244
1976	1,120	1,120	295	330	4.09	1,351
1977	960	840	273	229	4.56	1,045
1978	1,050	950	258	245	9.77	2,394
1979	1,400	1,000	250	250	6.00	1,500
1980	1,500	1,300	220	286	8.97	2,565
1981 2/	1,800	1,400	260	364	6.80	2,475

1/ 1960-73 include some cabbage for processing. 2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 16--Indiana cabbage for sauerkraut: Acreage, yield, production, and value, 1979-81

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		----- Short tons -----		\$/ton	\$1,000
1979	200	200	15.35	3,070	24.10	74
1980	90	90	13.33	1,200	26.70	32
1981 1/	160	160	14.88	2,380	27.00	64

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 17--Iowa fresh cabbage: Acreage, yield, production, and value, 1960-68

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	400	400	170	68	2.90	197
1961	450	450	165	74	3.15	233
1962	450	450	150	68	2.90	197
1963	450	450	160	72	3.00	216
1964	500	500	150	75	2.90	218
1965	450	450	160	72	3.40	245
1966	350	350	135	47	4.50	212
1967	300	280	135	38	3.70	141
1968 1/	320	280	130	36	3.90	140

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 18--Louisiana fresh cabbage: Acreage, yield, production, and value, 1960-75

Year	Acreage		Yield	Production 1/	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	2,500	2,300	85	196	2.80	549
1961	2,700	2,700	90	243	1.55	377
1962	2,700	2,100	85	178	3.40	605
1963	2,700	2,000	80	160	3.20	512
1964	2,000	1,800	95	171	2.35	402
1965	2,200	2,100	110	231	3.15	728
1966	2,400	2,300	100	230	2.60	598
1967	2,400	2,300	100	230	3.20	736
1968	2,200	2,000	100	200	2.85	570
1969	2,300	2,200	110	242	2.96	716
1970	2,000	1,800	105	189	4.55	860
1971	2,200	2,200	130	286	3.93	1,124
1972	2,300	2,100	105	221	4.08	902
1973	1,900	1,800	72	130	4.87	633
1974	1,900	1,400	100	140	4.30	602
1975 1/	1,800	1,500	106	159	4.95	787

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 19--Maryland fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	700	700	140	98	2.35	230
1961	800	800	135	108	2.80	302
1962	750	750	140	105	1.70	178
1963	750	750	140	105	2.15	226
1964	750	750	130	98	2.90	284
1965	800	800	150	120	2.00	240
1966	750	750	140	105	3.40	357
1967	750	750	155	116	2.21	256
1968	720	720	165	119	2.52	300
1969	690	690	175	121	2.75	333
1970	690	690	175	121	3.31	401
1971	680	680	175	119	3.77	449
1972	680	660	195	129	3.70	477
1973	680	670	200	134	6.21	832
1974	680	680	204	139	3.99	555
1975	680	680	187	127	4.20	534
1976	680	670	190	127	3.88	493
1977	680	670	190	127	4.80	610
1978	670	650	180	117	8.72	1,020
1979	800	780	160	125	5.37	671
1980	800	720	155	112	8.90	997
1981	810	780	160	125	5.39	674
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	490	470	170	80	10.50	839
1986	460	440	185	81	13.40	1,085
1987	450	410	160	66	9.70	640
1988	505	470	47	22	15.80	349
1989	505	475	91	43	14.00	605
1990	570	535	135	72	18.90	1,365
1991	520	490	144	71	19.10	1,348
1992	600	550	195	107	16.00	1,712
1993	700	650	160	104	20.00	2,080
1994	800	750	100	75	13.20	990

-- = Not available.

Source: 1960-1982, 1992-94, National Agricultural Statistics Service, U.S. Dept. of Agriculture, (1982-91) Maryland Agricultural Statistics Service.

Table 20--Massachusetts fresh cabbage: Acreage, yield, production, and value, 1960-81 1/

Year	Acreage		Yield <i>Cwt</i>	Production <i>1,000 cwt</i>	Farm value	
	Planted	Harvested			Per unit	Total
	<i>Acres</i>				<i>\$/cwt</i>	<i>\$1,000</i>
1960	1,550	1,400	188	263	2.68	704
1961	1,550	1,450	185	268	3.00	804
1962	1,550	1,450	192	279	2.78	775
1963	1,450	1,350	200	270	3.25	877
1964	1,500	1,400	196	274	3.62	991
1965	1,300	1,200	203	243	2.84	691
1966	1,150	1,050	205	215	4.37	939
1967	1,150	1,050	207	217	3.11	674
1968	1,100	1,000	215	215	4.09	879
1969	1,600	1,450	192	279	4.32	1,204
1970	1,550	1,420	208	296	4.23	1,252
1971	1,350	1,200	226	271	4.28	1,160
1972	1,300	1,150	224	258	5.73	1,478
1973	1,390	1,280	229	293	7.97	2,336
1974	990	930	274	255	5.04	1,286
1975	990	870	271	236	5.49	1,295
1976	1,100	980	240	235	4.20	987
1977	1,000	890	225	200	4.70	940
1978	970	830	230	191	5.90	1,127
1979	870	710	225	160	5.49	878
1980	850	720	215	155	7.98	1,237
1981 2/	830	740	300	222	6.60	1,465

1/ Also includes Connecticut for 1969-73. 2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 21--Michigan fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield	Production 2/	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	4,300	3,900	185	721	1.95	1,409
1961	5,000	4,300	165	710	1.77	1,264
1962	4,500	4,300	175	752	2.04	1,536
1963	4,400	4,100	185	758	2.16	1,639
1964	4,100	3,800	190	722	2.73	1,973
1965	4,700	4,300	195	804	1.71	1,372
1966	4,300	3,800	190	722	3.88	2,800
1967	3,800	3,300	210	693	2.35	1,629
1968	3,800	3,600	195	702	3.12	2,187
1969	4,500	4,300	220	946	3.42	3,232
1970	5,400	5,000	195	975	2.74	2,674
1971	5,700	5,500	180	990	2.93	2,898
1972	5,200	4,700	185	870	3.14	2,733
1973	5,700	4,900	154	755	5.81	4,384
1974	4,200	4,100	134	548	5.58	3,058
1975	3,900	3,500	130	454	5.57	2,527
1976	3,950	3,550	158	561	5.22	2,927
1977	3,600	3,200	164	526	6.28	3,302
1978	3,200	3,000	177	532	8.95	4,763
1979	3,300	3,000	163	489	6.56	3,207
1980	3,300	3,000	153	460	9.35	4,300
1981	3,200	2,900	160	464	6.96	3,229
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	2,200	2,000	210	420	6.80	2,856
1993	2,200	1,900	260	494	9.60	4,742
1994	2,200	2,000	320	640	8.80	5,632

-- = Not available.

1/ 1960-73 include some cabbage for processing.

2/ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1965=34.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 22--Minnesota fresh cabbage: Acreage, yield, production, and value, 1960-75

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				Cwt	1,000 cwt
1960	1,800	1,600	180	288	2.05	590
1961	1,500	1,400	180	252	2.05	517
1962	1,600	1,500	180	270	2.45	662
1963	1,500	1,400	190	266	2.40	638
1964 1/	1,600	1,400	160	224	3.13	701
1965	1,500	1,200	180	216	2.55	551
1966	1,300	1,200	180	216	4.40	950
1967	1,100	1,000	210	210	2.65	556
1968	1,000	850	200	170	3.45	586
1969	800	700	200	140	3.79	531
1970	850	800	190	152	3.56	541
1971	860	800	195	156	3.33	519
1972	920	770	185	142	4.04	574
1973	870	770	205	158	6.45	1,019
1974	800	750	185	139	5.76	801
1975 2/	800	700	180	126	5.62	708

1/ Includes some cabbage for processing. 2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 23--Mississippi fresh cabbage: Acreage, yield, production, and value, 1960-75

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				Cwt	1,000 cwt
1960	1,400	1,400	100	140	3.60	504
1961	1,200	1,200	120	144	1.35	194
1962	1,100	1,100	136	150	3.50	525
1963	1,000	1,000	110	110	1.45	160
1964	900	900	160	144	1.25	180
1965	900	900	100	90	4.85	436
1966	700	700	135	94	1.05	99
1967	700	700	145	102	2.60	265
1968	700	700	90	63	2.15	135
1969	500	500	80	40	2.25	90
1970	400	400	130	52	4.17	217
1971	500	500	120	60	3.38	203
1972	700	700	110	77	2.31	178
1973	800	800	110	88	4.05	356
1974	750	730	110	80	3.67	294
1975 1/	800	700	85	60	4.00	240

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 24--Missouri fresh cabbage: Acreage, yield, production, and value, 1960-75 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	600	600	110	66	2.85	188
1961	750	750	80	60	3.75	225
1962	650	650	95	62	2.89	179
1963	700	700	105	74	2.72	201
1964	700	700	105	74	2.61	193
1965	750	750	120	90	2.73	246
1966	750	700	105	74	3.25	240
1967	850	850	120	102	2.95	301
1968	800	800	90	72	2.70	194
1969	800	800	115	92	3.17	292
1970	800	800	115	92	3.59	330
1971	800	800	115	92	3.50	322
1972	800	800	120	96	4.06	390
1973	730	730	121	88	7.52	662
1974	800	800	130	104	4.50	468
1975 2/	720	720	144	104	5.35	556

1/ 1961-65 include some cabbage for processing. 2/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 25--New Hampshire fresh cabbage: Acreage, yield, production, and value, 1960-68

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	230	230	180	41	2.85	117
1961	230	230	185	43	2.95	127
1962	240	240	200	48	2.90	139
1963	250	250	175	44	3.35	147
1964	250	250	175	44	3.50	154
1965	270	270	190	51	2.80	143
1966	250	250	190	48	4.45	214
1967	270	270	190	51	2.70	138
1968 1/	230	230	200	46	4.00	184

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 26--New Jersey fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production 1/	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	4,500	4,500	217	978	1.94	1,899
1961	4,600	4,600	211	969	2.86	2,770
1962	4,200	4,200	241	1,012	2.05	2,075
1963	4,900	4,800	213	1,022	2.32	2,369
1964	4,200	4,200	227	953	3.23	3,076
1965	4,800	4,400	228	1,005	2.38	2,394
1966	5,300	5,000	215	1,075	3.89	4,178
1967	5,500	5,000	206	1,030	2.55	2,630
1968	5,400	5,100	202	1,031	3.16	3,256
1969	4,900	4,600	216	995	3.37	3,355
1970	4,800	4,500	212	954	3.66	3,490
1971	4,600	4,200	207	870	3.96	3,441
1972	4,500	4,300	191	821	4.68	3,841
1973	4,700	4,500	208	934	7.23	6,752
1974	4,900	4,700	199	934	4.99	4,662
1975	5,000	4,700	203	954	5.86	5,589
1976	5,300	4,600	200	920	4.89	4,497
1977	4,800	4,300	202	867	5.91	5,126
1978	4,300	3,500	221	775	9.01	6,980
1979	5,000	4,100	192	786	7.03	5,524
1980	4,700	3,800	212	805	10.10	8,147
1981	4,400	3,400	252	856	6.87	5,878
1982	3,600	3,200	265	849	8.33	7,076
1983	3,500	3,200	245	786	11.87	9,332
1984	3,700	3,400	225	768	7.56	5,808
1985	3,700	3,400	230	785	6.85	5,377
1986	3,400	3,200	240	768	11.10	8,525
1987	3,200	3,000	240	720	10.80	7,776
1988	3,000	2,700	240	648	12.80	8,294
1989	3,100	2,600	225	585	15.70	9,185
1990	3,000	2,700	230	621	10.20	6,334
1991	--	2,800	210	588	15.80	9,290
1992	2,800	2,600	180	468	9.30	4,352
1993	2,400	2,300	250	575	14.00	8,050
1994	2,300	2,300	320	690	11.30	7,797

-- = Not available.

1/ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1976=78.

Source: National Agricultural Statistics Service (1960-81, 1992-94); U.S. Dept. of Agriculture, New Jersey Agricultural Statistics Service (1982-91).

Table 27--New York fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield	Production 2/	Farm value	
	Planted	Harvested			Per unit 3/	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	8,300	8,200	263	2,157	1.50	3,231
1961	8,400	8,000	273	2,183	2.42	5,277
1962	8,100	7,900	295	2,334	2.48	5,780
1963	8,400	8,200	288	2,364	1.85	4,364
1964	8,800	8,500	279	2,370	2.99	7,086
1965	8,500	7,900	306	2,420	2.09	5,068
1966	8,100	7,400	265	1,958	4.08	7,990
1967	7,600	7,050	307	2,161	2.06	4,446
1968	7,700	7,400	345	2,555	2.77	7,076
1969	7,500	7,200	297	2,138	4.44	9,502
1970	7,900	7,100	331	2,349	2.38	5,597
1971	6,800	6,500	346	2,246	3.55	7,969
1972	7,300	6,600	284	1,877	4.41	8,278
1973	7,400	7,100	289	2,049	4.70	9,637
1974	7,800	7,800	313	2,444	4.98	10,724
1975	8,500	8,400	338	2,835	5.74	14,262
1976	9,000	8,900	307	2,731	11.00	26,405
1977	9,800	9,100	356	3,244	7.14	18,845
1978	8,800	8,300	402	3,333	10.20	31,044
1979	9,400	9,000	376	3,381	5.34	15,906
1980	9,100	8,700	312	2,713	9.94	24,985
1981	9,200	8,600	313	2,690	8.02	20,020
1982	9,000	8,700	388	3,375	6.02	20,318
1983	8,500	8,300	354	2,939	16.61	48,828
1984	9,100	8,800	407	3,580	7.08	25,351
1985	10,000	9,500	354	3,359	6.81	22,881
1986	11,500	10,800	337	3,645	10.47	38,171
1987	13,200	12,700	399	5,063	9.07	45,899
1988	13,600	12,900	344	4,400	11.91	52,387
1989	14,200	13,500	338	4,560	10.95	49,949
1990	15,200	14,200	439	6,230	6.62	41,215
1991	14,300	13,900	395	5,490	10.34	56,762
1992	13,500	12,100	342	4,137	6.92	28,647
1993	14,100	13,600	412	5,608	8.38	46,992
1994	12,300	12,000	458	5,490	7.80	42,828

1/ Data prior to 1974 are cabbage for fresh and processing minus kraut. 2/ Includes quantities harvested but not sold (1000 cwt): 1960=338, 1961=133, 1962=165, 1963=228, 1964=164, 1965=270, 1966=148, 1967=200, 1968=191, 1969=202, 1970=352, 1971=260, 1972=200, 1973=260, 1974=289, 1975=351, 1976=326, 1977=604, 1978=275, 1979=400, 1980=200, 1981=195.
3/ Derived per unit value.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture (1960-73, 1992-94); New York Agricultural Statistics Service (1974-91).

Table 28--New York cabbage for sauerkraut: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		----- Short tons -----		\$/ton	\$1,000
1960	4,700	4,700	17.90	84,100	17.00	1,430
1961	4,200	4,200	17.80	74,800	12.00	898
1962	4,500	4,500	18.80	84,600	12.70	1,074
1963	4,100	4,100	18.30	75,000	12.90	968
1964	3,400	3,400	17.80	60,500	16.80	1,016
1965	4,200	4,200	21.00	88,200	12.50	1,103
1966	3,600	3,600	20.20	72,700	24.20	1,759
1967	4,400	4,400	24.50	107,800	15.60	1,682
1968	4,000	4,000	23.00	92,000	17.20	1,582
1969	4,200	4,100	18.80	77,100	20.30	1,565
1970	4,100	3,600	26.00	93,600	16.60	1,554
1971	3,500	3,400	24.60	83,650	15.50	1,297
1972	3,600	3,400	18.80	63,900	24.40	1,559
1973	4,500	4,300	18.66	80,250	26.90	2,159
1974	4,700	4,500	23.62	106,300	30.60	3,253
1975	4,200	4,000	22.56	90,250	31.80	2,870
1976	4,100	3,900	20.92	81,600	30.80	2,513
1977	4,300	4,100	22.18	90,950	29.90	2,719
1978	4,200	4,000	20.50	82,000	29.90	2,452
1979	3,700	3,400	25.20	85,680	29.60	2,536
1980	3,700	3,400	24.65	83,810	31.50	2,640
1981	3,600	3,500	25.60	89,600	35.70	3,199
1982	3,200	3,200	25.45	81,440	35.10	2,859
1983	3,000	3,000	17.07	51,210	35.00	1,792
1984	3,200	3,200	25.00	80,000	36.30	2,904
1985	3,200	3,100	25.32	78,490	36.70	2,881
1986	2,000	2,000	27.00	54,000	35.20	1,901
1987	2,300	2,300	29.57	68,000	34.10	2,319
1988	2,100	2,100	26.67	56,000	34.70	1,943
1989	2,600	2,600	25.77	67,000	38.10	2,553
1990	2,100	2,000	27.00	54,000	40.80	2,203
1991	2,400	2,400	23.33	56,000	38.00	2,128
1992	1,500	1,400	25.00	35,000	39.00	1,365
1993	2,100	2,000	36.50	73,000	49.00	3,577
1994	2,100	2,100	29.00	60,900	40.00	2,436

Source: National Agricultural Statistics Service, U.S. Dept. Agriculture (1960-81, 1992-94); New York Agricultural Statistics Service (1982-91).

Table 29--North Carolina fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield Cwt	Production	Farm value	
	Planted	Harvested		2/	Per unit	Total
	----- Acres -----			1,000 cwt	\$/cwt	\$ 1,000
1960	9,300	9,100	133	1,212	1.30	1,519
1961	8,700	8,600	137	1,180	1.41	1,666
1962	8,200	8,100	137	1,107	1.96	1,873
1963	7,800	7,700	160	1,231	1.38	1,506
1964	7,400	7,000	129	905	2.57	2,328
1965	7,300	7,000	148	1,033	2.40	2,476
1966	7,000	6,600	135	894	2.88	2,571
1967	7,000	6,600	180	1,186	1.72	2,036
1968	7,400	6,900	149	1,029	2.32	2,389
1969	7,900	7,400	149	1,106	2.81	3,105
1970	7,800	7,500	151	1,133	2.42	2,739
1971	6,700	6,700	157	1,054	3.08	3,246
1972	7,400	7,400	177	1,311	3.15	4,129
1973	7,900	7,600	171	1,300	6.41	8,327
1974	7,700	7,050	166	1,167	4.01	4,677
1975	8,700	7,850	147	1,154	4.43	5,107
1976	9,020	7,850	156	1,221	4.47	5,463
1977	8,540	6,940	138	956	4.67	4,465
1978	7,710	6,650	147	976	7.76	7,570
1979	7,800	7,200	162	1,169	4.85	5,670
1980	7,200	6,500	145	945	8.25	7,800
1981	7,400	6,400	146	937	4.81	4,508
1982	--	6,200	150	930	--	--
1983	--	6,000	142	852	--	--
1984	--	6,500	165	1,073	--	--
1985	--	6,300	160	1,008	--	--
1986	7,100	6,000	155	930	--	--
1987	6,400	6,000	160	960	--	--
1988	6,400	6,200	180	1,116	8.50	9,486
1989	6,200	6,000	160	960	8.00	7,680
1990	5,700	5,400	170	918	7.00	6,426
1991	6,000	5,800	160	928	9.50	8,816
1992	6,800	6,600	150	990	8.00	7,920
1993	5,700	5,300	180	954	9.00	8,586
1994	5,400	5,000	200	1000	9.50	9,500

-- = Not available.

1/ 1960-73 include some cabbage for processing.

2/ Includes some quantities not marketed and excluded in computing value (1,000 cwt): 1960=42, 1962=153, 1963=142. Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1964=85, 1966=60, 1967=54, 1968=83, 1969=75.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture (1960-81, 1992-94), North Carolina Dept. of Agriculture (1982-91).

Table 30--Ohio fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield <i>Cwt</i>	Production <i>1,000 cwt</i>	Farm value	
	Planted	Harvested			Per unit	Total
	<i>Acres</i>				<i>\$/cwt</i>	<i>\$1,000</i>
1960	2,600	2,600	211	548	2.45	1,341
1961	2,750	2,750	211	581	2.25	1,310
1962	2,650	2,650	209	553	2.26	1,250
1963	2,700	2,600	202	525	2.49	1,308
1964	2,450	2,450	207	507	3.26	1,654
1965	2,450	2,450	185	453	2.12	961
1966	2,450	2,400	206	494	3.90	1,926
1967	2,300	2,300	243	559	2.72	1,523
1968	2,120	2,120	242	513	3.05	1,565
1969	2,080	1,980	227	449	3.68	1,651
1970	2,260	2,160	206	445	3.58	1,592
1971	2,380	2,180	223	486	3.10	1,507
1972	2,420	2,200	206	453	4.14	1,877
1973	2,250	1,950	206	401	7.33	2,941
1974	2,250	1,850	213	394	4.64	1,829
1975	2,250	1,850	226	418	5.54	2,317
1976	2,550	2,050	204	418	4.94	2,066
1977	2,600	2,150	213	457	5.97	2,728
1978	2,300	1,900	227	431	8.61	3,712
1979	2,300	1,900	207	393	7.16	2,812
1980	2,300	1,950	174	340	9.55	3,247
1981	2,300	1,900	174	330	6.96	2,297
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	2,000	1,900	215	409	7.25	2,965
1993	2,000	1,900	280	532	12.30	6,544
1994	2,100	1,900	265	504	9.10	4,586

-- = Not available.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 31.--Ohio cabbage for sauerkraut: Acreage, yield, production, and value, 1960-81

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				----- Short tons -----	
1960	1,700	1,700	14.80	25,200	12.60	318
1961	1,500	1,500	15.10	22,600	12.10	273
1962	1,400	1,400	15.10	21,100	12.10	255
1963	950	950	13.70	13,000	12.10	157
1964	1,100	1,100	15.10	16,600	12.00	199
1965	1,400	1,400	18.70	26,200	13.10	343
1966	1,100	1,100	17.90	19,700	13.00	256
1967	1,600	1,600	20.00	32,000	16.20	518
1968	1,400	1,400	16.10	22,550	16.20	365
1969	1,400	1,300	18.40	23,900	16.60	397
1970	1,700	1,500	21.20	31,800	18.10	576
1971	1,300	1,200	24.80	29,750	18.50	550
1972	1,300	1,200	19.71	23,650	19.40	459
1973	1,600	1,400	16.04	22,450	22.40	503
1974	1,300	1,100	23.64	26,000	33.10	861
1975	950	900	18.56	16,700	31.10	519
1976	1,100	1,000	23.50	23,500	31.20	733
1977	1,200	1,100	24.82	27,300	30.50	833
1978	1,500	1,300	24.92	32,400	32.70	1,059
1979	1,400	1,200	28.67	34,400	33.30	1,146
1980	1,200	1,100	24.46	26,910	35.90	966
1981 1/	1,500	1,400	21.86	30,600	37.90	1,160

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 32--Oregon fresh cabbage: Acreage, yield, production, and value, 1960-81 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	1,500	1,400	210	294	1.79	526
1961	1,400	1,400	205	287	1.71	490
1962	1,200	1,200	210	252	1.65	417
1963	1,100	1,100	210	231	2.04	472
1964	1,200	1,000	220	220	1.92	423
1965	1,480	1,380	274	378	1.93	731
1966	1,420	1,320	277	366	2.43	889
1967	1,510	1,410	304	429	2.04	874
1968	1,570	1,470	306	450	2.16	970
1969	1,750	1,750	338	592	1.84	1,091
1970	2,030	1,930	335	647	1.81	1,173
1971	1,760	1,560	327	510	2.35	1,197
1972	1,610	1,310	338	443	2.23	986
1973	1,530	1,430	383	548	2.45	1,343
1974	850	750	203	152	7.39	1,124
1975	720	670	224	150	12.60	1,893
1976	700	650	223	145	10.40	1,508
1977	700	650	209	136	11.90	1,618
1978	690	600	223	134	10.20	1,367
1979	660	640	220	141	7.50	1,058
1980	630	600	240	144	9.90	1,426
1981 2/	620	600	210	126	11.50	1,449

1/ 1964-73 include Idaho. 1960-73 include some cabbage for processing. 2/ Last year of estimates.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 33--Pennsylvania fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				Cwt	1,000 cwt
1960	4,700	4,700	211	994	1.67	1,657
1961	4,300	4,300	203	872	1.73	1,505
1962	4,100	4,000	219	874	1.85	1,615
1963	3,900	3,800	212	807	1.86	1,503
1964	3,800	3,500	173	605	2.55	1,540
1965	3,800	3,600	205	738	1.90	1,404
1966	3,300	3,200	195	624	3.23	2,018
1967	3,300	3,200	226	724	2.19	1,588
1968	3,000	2,900	218	631	2.89	1,822
1969	3,000	2,900	218	631	3.13	1,973
1970	3,100	3,000	230	690	2.83	1,953
1971	3,000	2,900	214	621	3.52	2,189
1972	2,900	2,800	213	596	4.08	2,432
1973	3,000	2,800	190	532	5.12	2,722
1974	2,640	2,640	185	488	5.15	2,513
1975	2,630	2,430	216	526	5.23	2,753
1976	2,650	2,450	214	524	4.90	2,568
1977	2,670	2,470	213	527	5.03	2,649
1978	2,960	2,660	209	555	7.38	4,095
1979	3,200	2,900	181	524	6.20	3,249
1980	3,200	2,900	132	383	9.27	3,550
1981	2,900	2,800	205	574	8.53	4,896
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	2,000	1,900	270	513	11.20	5,746
1993	2,000	1,900	250	475	11.80	5,605
1994	1,900	1,800	210	378	10.50	3,969

-- = Not available.

1/ 1960-73 include some cabbage for processing.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 34--Rhode Island fresh cabbage: Acreage, yield, production, and value, 1960-68

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	160	160	181	29	2.66	77
1961	160	160	175	28	3.21	90
1962	160	160	188	30	2.93	88
1963	160	160	194	31	3.23	100
1964	150	150	187	28	3.57	100
1965	150	150	187	28	3.00	84
1966	150	150	187	28	4.39	123
1967	160	160	200	32	2.84	91
1968 1/	160	160	200	32	4.28	137

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 35--South Carolina fresh cabbage: Acreage, yield, production, and value, 1960-80

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	2,900	2,600	96	249	4.31	1,074
1961	2,750	2,750	106	292	2.01	587
1962	2,750	2,750	131	360	4.33	1,558
1963	2,800	2,800	98	273	2.97	811
1964	2,850	2,850	108	308	2.56	789
1965	2,950	2,950	92	270	5.71	1,542
1966	2,860	2,860	92	264	2.88	761
1967	2,360	2,360	102	241	4.38	1,056
1968	2,260	1,960	91	178	3.02	538
1969	1,840	1,640	91	150	3.58	537
1970	1,240	1,240	112	139	5.96	828
1971	1,140	1,140	123	140	5.99	838
1972	1,090	990	144	143	5.01	716
1973	1,100	1,000	130	130	6.60	858
1974	1,200	1,100	165	182	5.70	1,037
1975	1,300	1,200	145	174	6.23	1,084
1976	1,300	1,200	100	120	4.42	530
1977	900	800	85	68	5.96	405
1978	900	850	105	89	10.90	970
1979	900	800	120	96	6.50	624
1980 1/	800	700	115	81	9.75	790

1/ Last year of estimate.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 36--Tennessee fresh cabbage: Acreage, yield, production, and value, 1960-81 1/

Year	Acreage		Yield Cwt	Production 1,000 cwt	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				\$/cwt	\$1,000
1960	1,300	1,300	175	228	1.74	396
1961	1,300	1,200	220	264	1.87	493
1962	1,300	1,200	145	174	1.79	311
1963	1,200	1,200	215	258	1.73	446
1964	1,300	1,200	190	228	2.35	536
1965	1,300	1,300	205	266	2.38	633
1966	1,300	1,300	200	260	1.53	399
1967	1,500	1,500	245	368	1.60	590
1968	1,400	1,300	205	266	1.53	406
1969	1,300	1,200	220	264	1.38	365
1970	1,100	1,000	240	240	2.07	497
1971	950	950	275	261	2.09	545
1972	1,000	1,000	280	280	2.41	674
1973	1,000	960	245	235	3.17	746
1974	380	370	346	128	3.40	435
1975	490	490	243	119	6.14	731
1976	530	530	236	125	5.79	724
1977	700	700	150	105	5.90	620
1978	790	750	147	110	12.30	1,353
1979	800	750	140	105	10.40	1,092
1980	800	750	135	101	9.00	909
1981 2/	450	410	270	111	9.20	1,021

1/ 1960-73 include some cabbage for processing. 2/ Last year of estimates.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 37--Texas fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				Cwt	1,000 cwt
1960	22,500	22,000	145	3,190	3.15	10,047
1961	26,500	25,500	100	2,550	2.25	5,745
1962	26,000	21,500	75	1,612	3.76	6,066
1963	17,800	17,500	130	2,275	3.98	9,055
1964	19,300	18,500	130	2,405	2.62	6,291
1965	19,900	19,400	145	2,813	3.24	9,104
1966	18,500	18,000	135	2,430	3.79	9,200
1967	19,500	19,000	130	2,470	3.51	8,670
1968	13,700	12,500	150	1,875	3.61	6,764
1969	20,000	19,400	134	2,601	3.64	9,465
1970	20,300	19,800	161	3,190	5.13	16,365
1971	20,400	19,900	169	3,361	4.36	14,663
1972	18,900	18,400	184	3,380	4.03	13,620
1973	22,600	22,100	200	4,426	5.37	23,754
1974	20,400	17,900	200	3,588	4.71	16,883
1975	17,800	17,100	182	3,108	5.21	16,195
1976	20,500	19,100	188	3,592	5.78	20,750
1977	15,700	14,900	257	3,828	12.40	47,455
1978	21,300	20,100	246	4,941	8.57	42,321
1979	21,900	14,400	217	3,119	9.39	29,297
1980	19,300	17,600	234	4,115	7.41	30,500
1981	18,700	16,800	261	4,389	7.94	34,834
1982	17,700	16,700	243	4,059	13.90	56,418
1983	15,200	14,600	285	4,162	8.30	34,589
1984	15,500	14,400	285	4,088	18.80	76,983
1985	14,700	14,000	270	3,780	10.50	39,690
1986	17,100	16,200	300	4,860	7.55	36,693
1987	15,600	15,000	330	4,950	7.40	36,630
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	11,600	10,000	260	2,600	13.80	35,880
1991	9,700	9,100	350	2,860	11.00	31,460
1992	11,000	10,300	400	4,120	10.80	44,496
1993	10,300	9,700	350	3,395	13.80	46,851
1994	11,900	11,200	370	4,144	7.40	30,666

-- = Not available.

1/ 1960-73 include some cabbage for processing.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture (1960-81, 1992-94), Texas Agricultural Statistics Service (1982-91).

Table 38--Virginia fresh cabbage: Acreage, yield, production, and value, 1960-94 1/

Year	Acreage		Yield Cwt	Production 2/ 1,000 cwt	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				\$/cwt	\$1,000
1960	3,400	3,400	138	469	2.31	1,082
1961	3,450	3,350	146	490	2.64	1,294
1962	3,400	3,250	136	441	2.61	1,149
1963	3,150	2,850	126	358	1.94	693
1964	3,000	2,900	126	365	3.31	1,208
1965	3,200	3,050	122	372	3.04	1,130
1966	3,150	3,050	134	410	3.31	1,356
1967	3,200	3,020	145	437	2.71	1,183
1968	3,100	2,450	136	332	2.67	888
1969	2,950	2,300	132	303	3.16	957
1970	2,550	2,200	148	326	4.19	1,367
1971	2,300	2,000	152	304	3.69	1,123
1972	2,100	1,850	162	300	3.60	1,079
1973	1,900	1,800	147	265	4.29	1,137
1974	1,600	1,550	160	248	5.07	1,257
1975	1,600	1,500	181	272	4.48	1,218
1976	1,580	1,380	192	265	4.15	1,099
1977	1,650	1,490	220	328	5.15	1,689
1978	1,830	1,700	239	407	6.37	2,591
1979	1,680	1,540	250	385	4.85	1,866
1980	1,850	1,730	223	385	10.50	4,026
1981	2,100	2,000	260	520	5.90	3,068
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	1,800	1,700	485	825	6.50	5,363
1993	1,800	1,700	445	757	6.50	4,921
1994	1,700	1,500	500	750	7.60	5,700

-- = Not available.

1/ 1960-73 include some cabbage for processing.

2/ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 cwt): 1965=15, 1967=8, 1968=60, 1969=60.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 39--Washington fresh cabbage: Acreage, yield, production, and value, 1960-81 1/

Year	Acreage		Yield	Production 2/	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		Cwt	1,000 cwt	\$/cwt	\$1,000
1960	1,300	1,300	225	292	1.68	491
1961	1,300	1,300	230	299	1.76	526
1962	1,500	1,400	235	329	1.54	507
1963	1,300	1,300	230	299	1.79	536
1964	1,200	1,200	245	294	2.08	611
1965	1,300	1,300	260	338	2.07	701
1966	1,300	1,300	215	280	2.49	697
1967	1,300	1,300	235	306	2.96	905
1968	1,200	1,100	270	297	2.79	829
1969	950	850	225	191	3.84	733
1970	950	950	220	209	4.01	838
1971	1,000	1,000	190	190	3.93	746
1972	1,100	1,000	220	220	3.93	864
1973	1,400	1,300	240	312	3.78	1,180
1974	920	820	188	154	4.92	758
1975	1,100	1,000	174	174	6.04	1,051
1976	1,000	900	170	153	6.59	1,008
1977	770	740	189	140	5.54	776
1978	880	780	201	157	7.00	1,099
1979	950	850	195	166	7.80	1,295
1980	950	850	175	149	10.40	1,550
1981	1,000	900	170	153	11.70	1,790

1/ 1960-73 include some cabbage for processing.

2/ Excludes the following quantities not harvested because of economic conditions (1,000 cwt): 1971=10.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 40--Wisconsin fresh cabbage: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----				Cwt	1,000 cwt
1960	2,300	2,200	290	639	1.40	895
1961	2,700	2,600	207	538	1.35	726
1962	2,500	2,400	287	688	1.95	1,342
1963	2,400	2,300	257	590	1.66	980
1964	3,400	3,200	273	872	2.70	2,354
1965	3,000	2,600	212	552	1.85	1,021
1966	2,500	2,400	206	494	4.30	2,124
1967	2,200	2,100	262	550	1.75	962
1968	2,100	1,900	280	532	3.10	1,649
1969	2,000	1,900	276	524	3.46	1,813
1970	2,300	2,200	274	602	2.36	1,421
1971	2,400	2,200	282	620	2.76	1,711
1972	2,400	2,000	236	471	3.55	1,672
1973	1,800	1,600	294	470	6.09	2,861
1974	1,600	1,600	301	481	4.26	2,051
1975	2,100	2,000	403	805	5.01	4,030
1976	1,200	1,100	462	508	4.28	2,176
1977	1,600	1,500	424	636	6.48	4,121
1978	1,600	1,600	381	609	6.40	3,899
1979	1,700	1,700	374	635	5.19	3,297
1980	1,800	1,600	304	486	8.00	3,889
1981	1,900	1,800	475	855	5.54	4,737
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	7,700	6,900	295	2,036	7.00	14,252
1993	6,000	5,200	200	1,040	5.55	5,772
1994	5,000	4,800	270	1,296	3.95	5,119

-- = Not available.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 41--Wisconsin cabbage for sauerkraut: Acreage, yield, production, and value, 1960-94

Year	Acreage		Yield	Production	Farm value	
	Planted	Harvested			Per unit	Total
	----- Acres -----		----- Short tons -----		\$/ton	\$1,000
1960	4,100	4,100	14.50	59,400	15.00	891
1961	3,700	3,700	17.00	62,900	12.30	774
1962	3,400	3,300	17.20	56,800	13.20	750
1963	3,700	3,600	16.40	59,000	11.90	702
1964	3,200	3,100	14.40	44,600	15.00	669
1965	3,900	3,800	18.00	68,400	13.50	923
1966	3,300	3,200	14.60	46,700	18.00	841
1967	4,400	4,300	16.30	70,100	16.60	1,164
1968	3,900	3,800	17.00	64,600	18.20	1,176
1969	4,000	3,900	16.70	65,150	18.00	1,173
1970	4,400	4,200	18.36	77,100	17.40	1,342
1971	3,800	3,600	19.18	69,050	17.30	1,195
1972	3,600	3,300	18.56	61,250	19.60	1,201
1973	4,000	3,800	15.15	57,550	23.80	1,370
1974	4,400	4,200	16.37	68,750	28.90	1,987
1975	3,700	3,500	20.33	71,150	27.30	1,942
1976	4,400	4,200	18.23	76,550	28.80	2,205
1977	3,700	3,500	21.27	74,450	29.30	2,181
1978	3,500	3,200	18.61	59,550	30.40	1,810
1979	3,400	3,100	23.49	72,820	30.60	2,228
1980	3,200	2,900	21.95	63,650	33.50	2,132
1981	3,600	3,500	26.20	91,700	34.50	3,164
1982	--	--	--	--	--	--
1983	--	--	--	--	--	--
1984	--	--	--	--	--	--
1985	--	--	--	--	--	--
1986	--	--	--	--	--	--
1987	--	--	--	--	--	--
1988	--	--	--	--	--	--
1989	--	--	--	--	--	--
1990	--	--	--	--	--	--
1991	--	--	--	--	--	--
1992	3,200	2,600	38.78	100,830	33.20	3,348
1993	2,800	2,000	17.20	34,400	30.00	1,032
1994	3,500	3,400	29.65	100,810	37.60	3,790

-- = Not available.

Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture.

Table 42--State census number of farms with cabbage, acres harvested, and percentage irrigated, 1982, 1987, 1992

State	Farms			Acres harvested 1/			Acres irrigated 2/		
	1982	1987	1992	1982	1987	1992	1982	1987	1992
	----- Number -----			----- Acres -----			----- Percent -----		
Alabama	73	45	61	159	231	513	54.1	27.7	18.7
Alaska	19	24	24	36	47	38	47.2	70.2	73.7
Arizona	24	20	24	794	748	1,949	100.0	100.0	100.0
Arkansas	40	28	30	59	70	198	40.7	62.9	54.0
California	168	206	221	7,118	9,918	11,887	100.0	100.0	100.0
Colorado	49	47	52	1,281	1,452	2,274	100.0	100.0	100.0
Connecticut	83	75	90	370	260	161	23.5	24.6	14.9
Delaware	18	15	10	508	--	612	94.3	--	100.0
Florida	146	111	99	14,826	10,173	9,022	96.5	96.7	88.5
Georgia	127	109	150	1,730	3,319	6,593	77.0	82.4	65.7
Hawaii	73	62	49	768	646	458	98.0	93.5	93.4
Idaho	13	9	11	46	29	23	56.5	100.0	100.0
Illinois	129	106	106	1,458	1,036	1,238	22.8	47.7	47.7
Indiana	194	119	126	1,108	979	845	37.3	35.3	62.1
Iowa	46	57	90	185	305	284	29.2	20.7	35.9
Kansas	17	30	24	38	77	113	63.2	46.8	77.9
Kentucky	127	149	191	232	373	558	8.6	15.5	5.6
Louisiana	74	86	87	478	459	587	27.2	27.5	20.4
Maine	68	56	80	140	94	151	46.4	21.3	33.1
Maryland	106	82	122	404	436	365	26.0	26.6	45.2
Massachusetts	188	143	168	774	540	557	36.6	44.3	28.2
Michigan	377	327	334	2,648	2,929	2,523	40.7	40.3	46.8
Minnesota	105	115	122	551	693	708	37.7	68.8	62.9
Mississippi	69	32	53	179	105	257	6.1	--	26.1
Missouri	58	71	74	496	209	220	83.5	78.0	71.8
Montana	29	19	17	21	30	15	100.0	100.0	100.0
Nebraska	16	18	14	29	31	54	10.3	32.3	79.6
New Hampshire	32	24	32	93	34	36	28.0	50.0	61.1
New Jersey	307	229	250	2,993	2,414	2,227	80.8	92.6	90.0
New Mexico	15	22	55	32	179	1,097	100.0	100.0	100.0
New York	683	579	537	13,178	15,004	13,842	20.0	17.9	12.6
North Carolina	449	281	328	4,871	4,652	6,453	11.5	23.3	9.5
North Dakota	16	10	20	30	25	--	63.3	52.0	--
Ohio	368	267	257	3,036	2,712	2,122	26.0	27.2	24.3
Oklahoma	24	25	22	143	73	125	18.2	63.0	81.6
Oregon	94	83	83	843	896	898	63.6	87.9	80.0
Pennsylvania	552	477	448	1,762	2,349	2,009	24.3	20.8	12.4
Rhode Island	16	12	14	47	52	35	10.6	--	--
South Carolina	83	37	87	433	238	540	14.5	18.1	19.3
South Dakota	13	7	13	--	--	4	--	--	50.0
Tennessee	128	94	139	864	748	675	26.2	24.9	19.3
Texas	203	216	176	14,860	13,698	9,312	98.4	99.5	98.0
Utah	21	18	16	160	203	276	100.0	100.0	100.0
Vermont	33	36	46	42	43	50	2.4	41.9	26.0
Virginia	155	134	170	1,887	1,649	1,721	33.0	65.2	38.2
Washington	114	92	75	711	932	466	65.3	69.5	86.7
West Virginia	44	25	49	15	42	40	--	--	22.5
Wisconsin	256	191	216	7,890	8,294	11,250	3.4	3.7	16.6
Wyoming	4	3	2	--	--	--	--	--	--
All other States	--	--	--	--	--	--	--	--	--
United States	6,046	5,023	5,464	90,360	90,011	95,445	59.1	59.9	55.7

-- = Not available.

1/ Sums may not total due to rounding.

2/ The percentage of harvested acres which were reported as being under irrigation.

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

Table 43--Fresh cabbage: Monthly producer price index, 1960-94

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1982=100													
1960	46.2	37.6	32.7	33.7	60.7	20.5	16.8	11.3	21.8	14.3	25.1	23.8	28.7
1961	31.2	28.6	27.7	28.2	37.0	37.1	25.1	16.1	17.2	19.4	18.5	20.0	25.5
1962	43.3	43.6	79.2	42.1	67.8	21.8	13.9	15.8	19.8	13.5	15.8	24.6	33.4
1963	40.6	40.6	37.0	37.6	36.1	21.4	21.8	15.1	19.3	15.8	17.8	26.1	27.4
1964	37.0	31.9	34.3	33.2	33.7	32.7	21.8	30.4	27.7	23.5	25.5	38.9	30.9
1965	33.7	41.1	43.0	50.5	74.4	25.3	15.8	13.5	18.8	24.4	22.1	29.2	32.7
1966	29.7	55.1	62.6	39.6	33.7	37.6	23.8	32.1	42.6	30.1	43.0	42.4	39.4
1967	49.0	51.0	43.6	39.6	60.8	45.2	21.8	15.8	17.8	18.5	22.7	30.5	34.7
1968	34.9	32.0	42.6	38.9	41.6	24.8	20.8	17.8	31.7	24.8	26.8	52.8	32.5
1969	47.2	37.6	36.6	37.6	44.8	33.2	20.5	17.8	40.3	37.6	51.2	57.8	38.5
1970	69.1	72.0	67.4	66.9	83.9	72.3	35.7	20.2	26.4	25.9	27.7	35.7	50.3
1971	41.1	44.6	38.6	50.5	71.0	79.3	26.5	22.8	29.2	37.1	39.6	52.2	44.4
1972	44.6	46.6	54.8	51.5	54.7	43.6	38.6	48.2	58.4	41.2	34.7	50.8	47.3
1973	47.9	60.1	70.1	73.6	64.6	102.8	51.5	64.7	76.4	52.8	47.3	48.0	63.3
1974	44.6	68.7	57.5	56.1	82.9	51.2	40.1	30.5	33.7	32.4	41.1	49.9	49.0
1975	59.9	64.4	75.3	82.7	86.4	95.7	35.7	50.5	56.7	52.4	43.3	58.4	63.4
1976	76.3	59.4	55.0	68.6	60.8	43.6	32.7	41.6	38.0	39.6	41.8	84.4	53.5
1977	112.4	187.1	154.0	110.2	96.6	54.3	43.6	39.2	45.2	56.0	63.1	66.4	85.7
1978	76.3	151.9	107.3	89.4	106.3	111.6	114.9	67.4	66.9	64.4	47.6	47.6	87.6
1979	64.1	155.5	161.1	186.2	127.5	63.4	67.4	57.5	58.1	53.7	58.0	65.8	93.2
1980	73.3	54.0	58.4	61.4	107.0	118.9	70.0	63.4	77.7	71.3	84.5	103.0	78.6
1981	105.7	93.8	89.2	85.9	101.7	67.4	47.6	47.6	59.4	72.6	55.5	69.7	74.7
1982	74.3	120.9	109.6	107.0	243.0	162.5	93.8	63.4	62.1	59.4	45.6	58.4	100.0
1983	63.4	61.4	72.3	111.0	99.1	114.9	105.0	134.7	105.0	89.6	74.0	76.3	92.2
1984	217.9	245.7	455.7	168.4	95.1	73.3	61.8	48.9	71.3	66.0	51.5	75.3	135.9
1985	77.3	174.4	111.0	124.2	158.5	111.0	66.0	61.4	59.4	69.3	75.3	79.3	97.2
1986	140.7	83.2	93.1	91.1	118.9	84.2	111.0	89.8	103.0	114.1	105.4	109.0	103.6
1987	114.9	97.7	91.1	105.7	163.8	182.3	95.1	84.2	87.2	87.2	91.8	77.3	106.5
1988	93.1	97.1	101.0	112.9	158.5	123.8	198.1	105.7	107.0	91.1	84.0	97.1	114.1
1989	81.2	94.1	99.1	99.1	136.7	309.1	150.6	130.8	99.1	99.1	75.3	87.2	121.8
1990	198.1	216.0	174.4	111.0	105.6	101.0	81.2	76.3	81.9	79.3	79.3	103.8	117.3
1991	87.2	103.0	114.9	107.0	169.1	145.3	122.8	190.2	129.4	105.7	166.4	107.0	129.0
1992	98.6	119.4	110.0	115.8	98.5	68.3	72.4	43.9	56.6	61.0	88.2	77.8	84.2
1993	90.8	116.0	129.3	105.9	134.6	89.1	144.9	121.6	108.8	92.3	99.3	84.6	109.8
1994	98.3	74.9	87.8	75.0	83.6	97.5	96.3	66.8	87.0	96.2	80.7	88.2	86.0

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

Table 44--Fresh cabbage: U.S. monthly retail price, 1960-94

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
<i>Cents per pound</i>													
1960	11.4	10.8	9.9	9.8	12.3	10.9	9.0	8.4	7.9	7.8	7.9	8.4	9.5
1961	9.1	9.4	9.1	9.2	9.0	9.6	10.1	8.6	8.1	7.9	7.7	8.5	8.9
1962	9.2	11.4	13.1	18.3	13.0	12.6	9.0	8.4	8.4	8.3	8.2	8.9	10.7
1963	12.4	14.2	13.1	10.9	11.5	10.4	9.8	9.4	8.8	8.7	8.5	9.1	10.6
1964	10.4	11.0	10.2	9.9	10.1	11.1	10.4	9.7	10.0	10.2	9.8	10.4	10.3
1965	11.0	10.7	10.4	11.0	13.8	14.2	10.6	9.0	8.1	8.5	8.5	9.4	10.4
1966	10.5	14.1	13.0	12.8	13.3	11.6	11.1	13.1	11.7	11.9	12.0	12.7	12.3
1967	13.0	12.2	11.6	11.0	11.8	12.8	11.3	10.3	9.7	9.5	9.4	10.5	11.1
1968	11.8	13.2	12.5	12.2	13.2	12.1	11.8	10.7	10.8	11.7	11.5	12.7	12.0
1969	14.2	12.5	12.2	12.1	12.4	12.7	11.9	11.3	11.0	11.9	12.3	14.1	12.4
1970	15.4	17.2	16.6	16.4	15.8	17.9	14.8	13.1	11.9	11.7	11.7	12.2	14.6
1971	12.3	13.4	13.2	14.0	14.3	15.3	14.0	12.0	11.3	11.6	12.4	17.3	13.4
1972	16.0	15.8	14.6	13.8	14.7	13.7	13.5	13.1	13.6	13.9	13.7	13.8	14.2
1973	14.4	14.7	18.3	18.4	21.5	17.9	18.4	19.4	17.6	19.6	16.9	16.4	17.8
1974	16.4	15.9	17.4	15.9	16.4	18.0	17.5	15.4	14.2	14.1	15.6	16.0	16.1
1975	16.9	17.2	17.2	17.2	16.9	19.2	17.2	15.0	15.5	15.7	16.0	16.0	16.7
1976	18.7	18.2	16.7	16.4	15.9	15.7	14.7	14.6	14.2	15.0	15.3	20.2	16.3
1977	23.8	41.8	37.8	35.1	29.2	20.6	16.5	15.5	15.0	16.6	21.7	21.7	24.6
1978	19.9	24.7	26.0	25.2	24.3	29.5	--	--	--	--	--	--	--
1979	--	--	--	--	--	--	--	--	--	--	--	--	--
1980	23.0	22.2	20.9	22.6	26.4	31.6	29.6	24.3	24.4	25.1	28.5	33.0	26.0
1981	29.1	27.9	24.7	25.5	25.2	24.8	24.0	22.0	22.7	22.4	22.3	22.3	24.4
1982	26.0	34.3	32.3	32.2	40.7	46.5	31.8	25.2	23.0	22.1	22.3	22.5	29.9
1983	24.0	23.7	21.6	24.5	26.0	28.9	28.8	30.5	29.6	28.4	26.0	26.6	26.6
1984	47.7	63.4	66.6	53.6	35.1	27.3	25.6	22.9	22.7	24.1	24.1	24.3	36.5
1985	27.2	40.7	33.7	37.6	32.0	31.7	26.4	22.5	22.3	23.3	26.2	27.9	29.3
1986	36.2	32.6	26.9	27.7	30.4	29.5	29.7	30.7	33.2	32.5	31.8	33.3	31.2
1987	29.8	29.6	25.8	29.2	32.2	34.9	31.8	29.1	30.5	29.8	32.2	30.5	30.5
1988	28.8	29.9	28.2	30.7	32.9	34.1	36.6	35.4	34.8	34.5	34.8	32.8	32.8
1989	33.1	33.5	32.1	33.4	38.4	52.5	43.5	34.7	33.6	33.0	35.8	34.1	36.5
1990	61.0	54.3	51.1	40.1	35.6	36.8	35.2	33.1	31.5	32.4	35.4	39.4	40.5
1991	44.3	37.7	34.4	36.7	41.0	43.6	40.6	41.5	40.1	37.9	43.0	46.3	40.6
1992	44.0	41.8	34.3	38.3	37.3	35.3	34.9	31.9	31.8	32.9	36.3	37.5	36.4
1993	39.5	39.4	37.6	42.7	48.4	47.1	44.2	42.2	41.1	36.4	36.0	37.1	41.0
1994	35.6	34.6	30.9	33.0	34.3	36.6	35.8	33.6	37.1	43.0	43.4	45.3	36.9

-- = Not available.

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

Table 45--Monthly wholesale price for fresh cabbage in New York City, 1980-92 1/

Year, description, and origin	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 1/
<i>Dollars per unit 2/</i>													
1992:													
Florida	8.25	9.00	8.00	7.38	7.25	5.83	--	--	--	--	5.50	6.90	7.26
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	9.50	10.88	9.20	9.00	--	--	--	--	--	--	--	--	9.65
New York	--	--	--	--	--	--	4.17	3.50	4.17	--	--	--	3.95
New Jersey	--	--	--	--	--	5.50	4.50	4.50	4.83	--	--	--	4.83
1991:													
Florida	7.60	6.63	6.69	7.35	9.50	--	--	--	--	--	--	9.80	7.93
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	7.06	6.75	7.83	--	--	--	--	--	--	--	--	7.21
New York	--	--	--	--	--	8.50	8.30	10.38	7.60	5.50	6.88	8.80	7.99
New Jersey	--	--	--	--	--	9.00	9.50	12.00	9.13	7.25	8.38	--	9.21
1990:													
Florida	12.90	13.17	9.75	5.95	--	--	--	--	--	--	--	7.67	9.89
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	14.63	13.50	9.17	--	--	--	--	--	--	--	--	--	12.43
New York	11.50	7.25	7.50	6.20	--	--	6.25	--	--	--	--	--	7.74
New Jersey	--	--	--	--	--	6.67	5.25	4.63	4.94	5.80	6.33	6.25	5.70
1989:													
Florida	6.20	6.00	5.88	6.50	9.80	--	--	--	--	--	--	10.25	7.44
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	4.88	6.00	5.00	7.00	--	--	--	--	--	--	--	7.42	6.06
New York	5.40	5.22	5.56	6.44	9.19	16.00	7.50	6.63	6.38	6.11	5.53	4.25	7.02
New Jersey	--	--	--	--	--	12.17	8.13	7.40	6.50	6.25	5.94	--	7.73
1988:													
Florida	6.31	6.50	6.38	7.44	7.65	--	--	--	--	--	6.25	6.75	6.75
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	8.33	7.00	7.38	5.80	5.75	5.31	6.60
New Jersey	--	--	--	--	--	6.17	9.06	7.60	7.75	6.15	5.44	--	7.03
1987:													
Florida	6.25	6.44	6.20	6.94	8.50	--	--	--	--	--	--	5.69	6.67
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	--	--	--	--	--	--	4.88	5.00	6.06	5.75	5.70	--	5.48
New Jersey	--	--	--	--	--	6.50	6.19	6.00	7.00	6.88	6.40	4.63	6.23
1986:													
Florida	11.33	6.25	6.38	5.69	7.50	5.25	--	--	--	--	--	6.83	7.03
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	--	--	--	--	--	--	5.50	6.00	5.80	6.25	6.50	--	6.01
New Jersey	--	--	--	--	--	5.50	7.25	6.25	6.00	6.50	6.38	--	6.31

Refer to footnotes at end of table.

--Continued

Table 45--Monthly wholesale price for fresh cabbage in New York City, 1980-92--Continued

Year, description, and origin	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 1/
<i>Dollars per unit 2/</i>													
1985:													
Florida	9.38	9.13	10.25	9.20	8.75	8.00	--	--	--	--	--	11.17	9.41
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	7.50	--	--	--	--	--	4.50	3.50	4.25	4.40	5.50	6.50	5.16
New Jersey	--	--	--	--	--	4.88	3.70	3.50	4.05	4.40	5.50	6.50	4.65
1984:													
Florida	19.00	19.50	22.00	10.38	6.25	4.50	--	--	--	--	--	7.00	12.66
North Carolina	--	--	--	--	--	4.50	4.50	--	--	--	--	--	4.50
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	--	--	--	--	--	4.75	3.75	3.56	4.44	4.10	3.38	5.38	4.19
New Jersey	--	--	--	--	--	4.25	3.80	3.56	4.42	3.93	3.50	--	3.91
1983:													
Florida	5.57	5.19	5.25	5.75	6.55	7.38	--	--	--	--	--	8.37	6.29
North Carolina	--	--	--	--	--	6.09	6.00	--	--	--	--	6.81	6.30
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	--	--	--	--	--	--	--	7.13	7.09	5.38	4.80	5.50	5.98
New Jersey	--	--	--	--	--	5.00	6.25	8.00	--	--	--	--	6.42
1982:													
Florida	8.88	10.25	8.25	8.13	14.13	14.50	--	--	--	--	--	5.75	9.98
North Carolina	--	--	--	--	13.75	11.00	--	--	--	--	3.50	5.00	8.31
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	4.38	--	--	--	--	--	--	--	--	3.25	3.15	5.50	4.07
New Jersey	--	--	--	--	--	6.50	4.50	3.90	3.69	3.44	3.15	6.00	4.45
1981:													
Florida	7.56	6.25	5.60	5.32	5.50	--	--	--	--	--	--	6.16	6.07
North Carolina	--	--	--	5.50	4.42	--	--	--	--	--	--	--	4.96
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	--	--	--	--	--	--	--	--	--	--	4.00	4.85	4.43
New Jersey	--	--	--	--	--	3.38	3.12	3.06	3.65	4.18	3.75	--	3.52
1980:													
Florida	6.30	4.50	4.44	5.75	7.18	--	--	--	--	--	--	8.83	6.17
North Carolina	--	--	--	--	--	8.12	--	--	--	--	--	--	8.12
Texas	--	--	--	--	--	--	--	--	--	--	--	--	--
New York, L.I.	--	--	--	--	--	--	4.33	4.12	5.55	4.62	6.38	7.63	5.44
New Jersey	--	--	--	--	--	8.00	5.50	4.12	5.00	4.50	--	--	5.42

-- = Not available.

1/ Simple average. 2/ 1-3/4 bushel carton green.

Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 46--Monthly average price for fresh cabbage at specified shipping points, 1980-92 1/

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 2/
<i>Price per unit 3/</i>													
1992:													
California, Imperial and Coachella Valley 4/	--	--	--	--	--	--	--	--	--	--	--	--	--
Florida	5.68	5.49	5.60	4.83	4.53	--	--	--	--	--	--	5.15	5.21
New Jersey	--	--	--	--	--	3.79	3.50	--	--	--	--	--	3.65
New York, west and central, 50 lb bag, Danish, medium	6.32	6.60	5.92	6.24	--	--	2.80	3.22	3.60	4.47	4.57	4.61	4.84
North Carolina--													
Eastern	--	--	--	--	3.93	3.50	--	--	--	--	--	--	3.72
Western	--	--	--	--	--	--	--	--	--	--	--	--	--
Texas--													
Lower Rio Grande Valley	4.98	4.69	4.81	4.03	4.03	--	--	--	--	--	--	3.88	4.40
San Antonio-Winter Garden	4.99	--	--	--	--	--	--	--	--	--	4.84	4.18	4.67
1991:													
California, Imperial and Coachella Valley 4/	--	--	--	--	4.62	3.95	3.56	4.50	5.04	5.02	10.07	--	5.25
Florida	4.86	4.14	4.65	5.42	6.02	--	--	--	--	--	--	7.38	5.41
New Jersey	--	--	--	--	--	6.96	4.50	--	--	--	--	--	5.73
New York, west and central, 50 lb bag, Danish, medium	7.17	--	--	3.40	3.13	--	7.65	7.60	7.24	5.74	8.10	6.58	6.29
North Carolina--													
Eastern	--	--	--	--	3.00	6.83	--	--	--	--	--	--	4.92
Western	--	--	--	--	--	--	--	--	--	5.00	7.65	5.38	6.01
Texas--													
Lower Rio Grande Valley	4.77	3.10	3.55	4.58	5.13	--	--	--	--	--	7.38	6.61	5.02
San Antonio-Winter Garden	--	--	--	--	--	--	7.10	8.39	6.39	5.39	--	--	6.82
1990:													
California, Imperial and Coachella Valley 4/	3.53	--	--	--	--	--	--	--	--	--	--	9.96	6.75
Florida	3.92	4.30	4.21	4.61	8.00	--	--	--	--	--	4.00	9.49	5.50
New Jersey	--	--	--	--	--	7.75	7.31	--	--	--	--	--	7.53
New York, west and central, 50 lb bag, Danish, medium	3.81	3.71	4.18	5.13	--	--	5.23	5.67	5.62	5.82	4.29	4.98	4.84
North Carolina--													
Eastern	--	--	--	--	9.64	11.60	--	--	--	--	--	--	10.62
Western	--	--	--	--	--	--	6.60	4.40	4.75	3.25	--	--	4.75
Texas--													
Lower Rio Grande Valley	2.76	3.43	3.50	4.42	5.95	--	--	--	--	--	3.62	8.75	4.63
San Antonio-Winter Garden	3.00	3.88	--	--	--	--	--	--	--	--	3.89	5.70	4.12

Refer to footnotes at end of table.

--Continued

Table 46--Monthly average price for fresh cabbage at specified shipping points, 1980-92 1/--Continued

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 2/
	<i>Price per unit 3/</i>												
1989:													
California, Imperial and													
Coachella Valley 4/	3.53	--	--	--	--	--	--	--	--	--	--	--	9.96 6.75
Florida	3.92	4.30	4.21	4.61	8.00	--	--	--	--	--	4.00	9.49	5.50
New Jersey	--	--	--	--	--	7.75	7.31	--	--	--	--	--	7.53
New York, west and central,													
50 lb bag, Danish, medium	3.81	3.71	4.18	5.13	--	--	5.23	5.67	5.62	5.82	4.29	4.98	4.84
North Carolina--													
Eastern	--	--	--	--	9.64	11.60	--	--	--	--	--	--	10.62
Western	--	--	--	--	--	--	6.60	4.40	4.75	3.25	--	--	4.75
Texas--													
Lower Rio Grande Valley	2.76	3.43	3.50	4.42	5.95	--	--	--	--	--	3.62	8.75	4.63
San Antonio-Winter Garden	3.00	3.88	--	--	--	--	--	--	--	--	3.89	5.70	4.12
1988:													
California, Imperial and													
Coachella Valley 4/	4.83	4.07	--	--	--	--	--	--	--	--	--	--	4.45
Florida	4.51	4.20	3.82	5.61	4.74	--	--	--	--	--	--	4.83	4.62
New Jersey, Vineland auction	--	--	--	--	--	4.57	8.53	6.75	6.78	5.51	--	--	6.43
New York, west and central,													
50 lb bag, Danish, medium	3.13	3.05	3.24	3.95	--	--	6.00	4.96	5.07	4.72	4.78	4.28	4.32
North Carolina--													
Eastern	--	--	--	--	--	5.42	4.54	--	--	--	--	--	4.98
Western	--	--	--	--	--	--	4.88	4.81	5.85	--	--	--	5.18
Texas--													
Lower Rio Grande Valley	3.77	3.86	3.28	4.98	4.75	--	--	--	--	--	3.58	3.89	4.02
San Antonio-Winter Garden	3.66	4.08	--	--	--	--	--	--	--	--	3.38	3.85	3.74
1987:													
California, Imperial and													
Coachella Valley 4/	3.58	2.94	--	--	--	--	--	--	--	--	--	--	3.26
Florida	4.13	3.88	3.67	4.89	5.36	--	--	--	--	--	--	3.46	4.23
New Jersey, Vineland auction	--	--	--	--	--	7.59	4.29	6.35	6.36	5.28	--	--	5.97
New York, west and central,													
50 lb bag, Danish, medium	3.40	2.92	2.88	4.68	--	--	2.73	3.29	5.32	4.50	2.56	2.75	3.50
North Carolina--													
Eastern	--	--	--	--	--	5.86	--	--	--	--	--	--	5.86
Western	--	--	--	--	--	--	3.95	5.06	5.01	--	--	--	4.67
Texas--													
Lower Rio Grande Valley	3.13	3.13	2.94	3.89	4.51	--	--	--	--	--	5.72	2.62	3.71
San Antonio-Winter Garden	3.13	3.00	--	--	--	--	--	--	--	4.90	3.83	3.05	3.58

Refer to footnotes at end of table.

--Continued

Table 46--Monthly average price for fresh cabbage at specified shipping points, 1980-92 1/--Continued

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 2/
	<i>Price per unit 3/</i>												
1986:													
California, Imperial and													
Coachella Valley 4/	3.50	3.05	--	--	--	--	--	--	--	--	--	--	3.28
Florida	7.16	4.00	3.70	3.23	4.55	--	--	--	--	--	--	4.30	4.49
New Jersey, south and central	--	--	--	--	--	3.95	6.84	--	--	--	--	--	5.40
New York, west and central,													
50 lb bag, Danish, medium	4.45	3.19	3.19	3.69	--	--	5.20	4.50	4.67	4.31	4.56	3.58	4.13
North Carolina--													
Eastern	--	--	--	--	--	--	5.63	5.86	5.72	5.88	--	--	5.77
Western	--	--	--	--	--	--	5.63	5.87	5.69	5.75	--	--	5.74
Texas--													
Lower Rio Grande Valley	5.77	3.13	3.00	2.63	2.55	3.90	--	--	--	--	6.00	4.00	3.87
San Antonio-Winter Garden	7.07	--	--	--	--	--	--	--	--	--	5.25	3.38	5.23
1985:													
California, Imperial and													
Coachella Valley 4/	7.34	3.95	4.00	--	--	--	--	--	--	--	--	5.00	5.07
Florida	7.00	7.60	7.65	6.00	5.33	--	--	--	--	--	--	--	6.72
New Jersey, south and central	--	--	--	--	--	--	3.24	--	--	--	--	--	3.24
New York, west and central,													
50 lb bag, Danish, medium	4.82	4.03	3.69	6.39	--	--	2.88	3.09	3.15	3.67	4.34	4.35	4.04
North Carolina--													
Eastern	--	--	--	--	5.90	3.39	--	--	--	--	4.50	4.50	4.57
Western	--	--	--	--	--	--	3.09	3.00	3.47	3.43	--	--	3.25
Texas--													
Lower Rio Grande Valley	6.91	6.19	6.44	4.99	4.73	--	--	--	--	--	4.47	5.66	5.63
San Antonio-Winter Garden	6.53	5.25	--	--	--	--	--	--	--	--	4.58	5.85	5.55
1984:													
California, Imperial and													
Coachella Valley 4/	15.00	28.75	--	--	--	--	--	--	--	--	--	--	21.88
Florida	15.13	17.97	19.42	9.43	4.18	3.00	--	--	--	--	--	4.50	10.52
New Jersey, south and central	--	--	--	--	--	3.63	3.34	--	--	--	--	--	3.49
New York, west and central,													
50 lb bag, Danish, medium	11.63	14.73	19.58	14.25	--	--	--	2.88	3.12	3.24	3.30	3.95	8.52
North Carolina--													
Eastern	--	--	--	--	3.69	3.17	--	--	--	--	--	--	3.43
Western	--	--	--	--	--	--	3.49	3.04	3.16	--	--	--	3.23
Texas--													
Lower Rio Grande Valley	14.62	17.08	18.56	7.79	3.25	3.00	--	--	--	--	3.17	3.69	8.90
San Antonio-Winter Garden	11.50	--	--	--	--	--	--	--	--	--	3.44	3.78	6.24

Refer to footnotes at end of table.

--Continued

Table 46--Monthly average price for fresh cabbage at specified shipping points, 1980-92 1/--Continued

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 2/
	<i>Price per unit 3/</i>												
1983:													
California, Imperial and Coachella Valley 4/	3.60	2.96	--	--	--	--	--	--	--	--	--	5.00	3.85
Florida	3.29	2.85	3.29	4.00	4.87	4.00	--	--	--	--	4.00	4.78	3.89
New Jersey, south and central	--	--	--	--	--	--	6.84	--	--	--	4.19	--	5.52
New York, west and central, 50 lb bag, Danish, medium	3.13	2.53	1.85	3.77	--	--	--	7.17	5.74	4.47	4.39	4.41	4.16
North Carolina--													
Eastern	--	--	--	--	--	4.67	5.75	--	--	--	--	--	5.21
Western	--	--	--	--	--	--	6.79	7.21	6.53	--	--	--	6.84
Texas--													
Lower Rio Grande Valley	2.52	2.46	2.55	2.98	4.02	3.13	--	--	--	--	3.83	3.84	3.17
San Antonio-Winter Garden	2.54	2.44	2.91	2.86	--	--	--	--	--	--	3.80	4.30	3.14
1982:													
California, Imperial and Coachella Valley 4/	5.47	4.79	3.50	--	--	--	--	--	--	--	--	--	4.59
Florida	6.21	7.35	4.99	6.25	10.61	--	--	--	--	--	--	3.45	6.48
New Jersey, south and central	--	--	--	--	--	5.55	4.72	--	--	--	--	--	5.14
New York, west and central, 50 lb bag, Danish, medium	4.03	4.14	4.30	7.01	--	--	--	3.57	3.80	3.20	2.92	3.08	4.01
North Carolina--													
Eastern	--	--	--	--	--	--	7.84	--	--	--	--	--	7.84
Western	--	--	--	--	--	--	3.62	3.78	3.81	--	--	--	3.74
Texas--													
Lower Rio Grande Valley	5.34	7.04	3.82	5.65	8.93	--	--	--	--	--	1.81	1.91	4.93
San Antonio-Winter Garden	5.51	5.89	--	--	--	--	--	--	--	--	2.13	1.72	3.81
1981:													
California, Imperial and Coachella Valley 4/	3.11	3.20	--	--	--	--	--	--	--	--	--	--	3.16
Florida	5.27	3.56	3.18	3.00	3.00	--	--	--	--	--	--	--	3.60
New Jersey, south and central	--	--	--	--	--	2.63	3.05	--	--	--	--	--	2.84
New York, west and central, 50 lb bag, Danish, medium	4.80	4.08	4.10	4.49	--	--	3.29	2.94	3.01	3.34	3.16	3.19	3.64
North Carolina--													
Eastern	--	--	--	--	2.95	2.78	--	--	--	--	--	--	2.87
Western	--	--	--	--	--	--	--	3.19	3.38	--	--	--	3.29
Texas--													
Lower Rio Grande Valley	3.48	2.08	1.94	2.30	--	--	--	--	--	--	2.02	2.19	2.34
San Antonio-Winter Garden	3.60	2.19	2.16	--	--	--	--	--	--	--	--	--	2.65

Refer to footnotes at end of table.

--Continued

Table 46--Monthly average price for fresh cabbage at specified shipping points, 1980-92 1/--Continued

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual 2/
	<i>Price per unit 3/</i>												
1980:													
California, Imperial and													
Coachella Valley 4/	5.40	4.29	3.81	4.11	--	--	--	--	--	--	--	3.13	4.15
Florida	5.00	3.83	3.02	3.03	4.57	5.23	--	--	--	--	--	5.47	4.31
New Jersey, south and central	--	--	--	--	--	6.59	4.94	--	--	--	--	--	5.77
New York, west and central,													
50 lb bag, Danish, medium	1.77	1.70	1.70	2.24	--	--	4.12	4.18	4.13	3.82	6.56	4.74	3.50
North Carolina--													
Eastern	--	--	--	--	5.11	7.19	--	--	--	--	--	--	6.15
Western	--	--	--	--	--	--	4.82	4.45	5.12	--	--	--	4.80
Texas--													
Lower Rio Grande Valley	1.49	1.49	1.57	2.78	3.68	4.75	--	--	--	--	7.50	4.28	3.44
San Antonio-Winter Garden	1.92	--	--	--	--	--	--	--	--	--	--	4.15	3.04

-- = Not available.

1/ Round green type, medium to large in size.

2/ Simple average.

3/ 1-3/4-bushel carton and 50 pound carton unless otherwise stated.

4/ Carton 24s.

Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 47--Arrivals of fresh cabbage in selected cities by major shipping points, 1983-93

Year and city	Shipping origin											Total
	Calif- forinia	Florida	Georgia	New Jersey	New York 1/	North Carolina	Penn- sylvania	Texas	Wis- consin	Canada	All others 2/	
	<i>1,000 cwt</i>											
1993:												
Atlanta	9	128	163	--	67	72	2	12	44	--	20	517
Baltimore	--	84	29	10	53	36	65	30	3	13	36	359
Boston	4	77	24	7	55	26	--	7	--	53	24	277
Chicago	29	70	49	1	42	2	--	87	120	--	89	489
Cincinnati	1	29	21	1	77	12	--	70	19	3	43	276
Dallas	14	--	1	--	--	--	--	183	1	--	53	252
Los Angeles	572	--	--	--	--	--	--	5	--	--	21	598
New York	13	171	34	87	165	25	1	39	--	15	13	563
Philadelphia	2	54	19	44	49	16	25	11	--	6	6	232
Pittsburgh	4	57	16	6	31	5	33	17	--	1	4	174
San Francisco	356	--	--	--	--	--	--	2	--	--	1	359
Others 3/	98	103	53	17	117	45	2	217	66	10	180	908
Total	1,102	773	409	173	656	239	128	680	253	101	490	5,004
1992:												
Atlanta	12	118	140	--	33	59	1	7	47	--	31	448
Baltimore	2	103	31	8	41	29	66	28	--	8	49	365
Boston	6	104	26	15	92	40	--	10	--	32	30	355
Chicago	6	55	52	2	31	11	--	136	103	2	114	512
Cincinnati	--	27	32	1	47	14	--	61	39	2	70	293
Dallas	36	--	1	--	--	--	--	128	--	--	49	214
Los Angeles	718	--	--	--	--	--	--	2	--	--	10	730
New York	3	198	47	76	177	29	--	65	--	5	9	609
Philadelphia	1	74	17	39	47	17	26	11	--	4	5	241
Pittsburgh	1	51	21	5	16	6	42	23	--	--	11	176
San Francisco	291	--	--	--	--	--	--	2	--	--	3	296
Others 3/	126	115	67	13	103	73	0	208	51	31	240	1,027
Total	1,202	845	434	159	587	278	135	681	240	84	621	5,266
1991:												
Atlanta	13	87	119	--	79	51	--	11	41	--	23	424
Baltimore	7	95	22	12	58	31	62	19	4	7	45	362
Boston	4	78	22	14	103	33	--	10	--	64	40	368
Chicago	14	11	34	2	21	20	--	109	108	2	56	377
Cincinnati	3	16	24	1	71	16	1	68	13	2	51	266
Dallas	15	--	--	--	--	--	--	166	--	--	29	210
Los Angeles	753	--	--	--	--	--	--	11	--	--	10	774
New York	11	99	22	89	317	36	2	20	--	8	11	615
Philadelphia	3	72	13	48	60	18	19	8	2	5	5	253
Pittsburgh	1	55	9	15	41	12	31	21	1	--	10	196
San Francisco	290	--	--	--	--	--	--	--	--	--	0	290
Others 3/	111	82	22	13	109	44	0	184	39	9	179	792
Total	1,225	595	287	194	859	261	115	627	208	97	459	4,927

Refer to footnotes at end of table.

--Continued

Table 47--Arrivals of fresh cabbage in selected cities by major shipping points, 1983-93--Continued

Year and city	Shipping origin											Total
	Cali- forinia	Florida	Georgia	New Jersey	New York 1/	North Carolina	Penn- sylvania	Texas	Wis- consin	Canada	All others 2/	
<i>1,000 cwt</i>												
1990:												
Atlanta	9	77	132	2	43	38	2	18	47	--	28	396
Baltimore	8	86	22	9	59	28	66	18	1	12	45	354
Boston	9	66	17	24	100	34	--	7	1	79	39	376
Chicago	26	20	26	3	24	19	--	110	101	3	109	441
Cincinnati	7	14	21	1	45	18	3	61	16	3	53	242
Dallas	17	--	--	1	--	--	--	192	2	1	85	298
Los Angeles	685	--	--	10	--	--	--	17	--	--	6	718
New York	6	84	20	107	158	21	--	15	--	15	6	432
Philadelphia	6	78	19	40	51	18	25	14	--	5	12	268
Pittsburgh	1	59	10	10	33	5	45	23	--	1	11	198
San Francisco	295	--	--	--	--	--	--	--	--	--	2	297
Others 3/	184	111	29	22	86	35	1	256	39	556	258	1,577
Total	1,253	595	296	229	599	216	142	731	207	675	654	5,597
1989:												
Atlanta	7	107	129	--	11	52	1	25	59	--	18	409
Baltimore	7	117	30	8	63	25	68	17	4	17	34	390
Boston	--	110	27	26	60	19	--	21	1	89	48	401
Chicago	19	35	16	1	14	12	--	127	122	1	121	468
Cincinnati	4	23	18	--	39	18	2	92	40	1	45	282
Dallas	17	--	--	--	--	--	--	175	--	--	65	257
Los Angeles	853	--	--	--	--	--	--	3	--	--	13	869
New York	18	156	7	31	89	5	--	8	2	55	5	376
Philadelphia	1	95	8	38	42	14	31	8	2	8	11	258
Pittsburgh	--	39	14	6	42	4	51	24	--	1	3	184
San Francisco	366	--	--	--	--	--	--	--	--	--	2	368
Others 3/	188	55	34	31	97	31	--	374	72	688	401	1,971
Total	1,480	737	283	141	457	180	153	874	302	860	766	6,233
1988:												
Atlanta	2	91	122	--	15	34	--	96	32	--	6	398
Baltimore	2	130	14	6	39	27	64	19	5	5	28	339
Boston	6	140	13	27	75	31	--	15	--	87	38	432
Chicago	21	21	19	3	9	20	--	112	121	5	92	423
Cincinnati	5	23	19	3	43	12	1	110	24	3	47	290
Dallas	13	--	2	--	--	--	--	149	--	--	63	227
Los Angeles	926	--	--	--	--	--	--	1	--	--	5	932
New York	9	152	3	38	92	25	--	14	--	12	4	349
Philadelphia	1	102	11	50	43	28	22	14	1	9	7	288
Pittsburgh	--	51	2	6	39	11	46	18	2	4	13	192
San Francisco	379	--	--	--	--	--	--	4	--	--	--	383
Others 3/	171	158	18	10	76	51	--	379	32	862	260	2,017
Total	1,535	868	223	143	431	239	133	931	217	987	563	6,270

Refer to footnotes at end of table.

--Continued

Table 47--Arrivals of fresh cabbage in selected cities by major shipping points, 1983-93--Continued

Year and city	Shipping origin											Total
	Califorinia	Florida	Georgia	New Jersey	New York 1/	North Carolina	Pennsylvania	Texas	Wisconsin	Canada	All others 2/	
<i>1,000 cwt</i>												
1987:												
Atlanta	—	76	131	—	22	41	2	92	21	2	12	399
Baltimore	2	128	14	8	37	20	60	46	1	7	36	359
Boston	5	95	10	25	80	25	2	55	—	88	47	432
Chicago	16	11	4	2	—	19	6	165	112	6	103	444
Cincinnati	2	9	9	1	—	5	3	116	25	2	94	266
Dallas	21	—	—	—	—	—	—	176	1	—	88	286
Los Angeles	827	—	—	—	—	—	—	—	—	—	4	831
New York	52	186	28	72	85	23	—	42	—	23	27	538
Philadelphia	4	81	10	55	41	31	28	34	—	9	9	302
Pittsburgh	1	57	3	13	31	2	44	33	—	7	11	202
San Francisco	332	—	1	—	—	—	—	1	—	—	2	336
Others 3/	171	103	8	7	123	40	—	469	35	1,119	217	2,292
Total	1,433	746	218	183	419	206	145	1,229	195	1,263	650	6,687
1986:												
Atlanta	1	106	104	1	42	55	2	76	32	2	21	442
Baltimore	4	131	13	9	41	21	48	39	5	3	37	351
Boston	1	86	5	23	80	27	—	56	—	128	48	454
Chicago	6	2	4	2	8	12	—	113	99	—	97	343
Cincinnati	—	7	6	2	50	6	3	98	25	—	46	243
Dallas	22	—	—	—	—	—	—	163	—	—	54	239
Los Angeles	806	—	—	—	—	—	—	—	—	—	10	816
New York	12	139	1	54	147	9	—	49	—	23	14	448
Philadelphia	5	106	4	72	48	18	31	42	—	1	9	336
Pittsburgh	1	52	2	7	32	8	50	37	—	4	11	204
San Francisco	336	—	—	—	—	—	—	—	—	—	13	349
Others 3/	192	122	11	26	63	40	—	372	46	945	226	2,043
Total	1,386	751	150	196	511	196	134	1,045	207	1,106	586	6,268
1985:												
Atlanta	1	80	84	—	26	55	1	52	28	—	15	342
Baltimore	13	91	11	7	38	28	58	48	—	2	51	347
Boston	10	69	13	22	54	21	—	49	—	102	81	421
Chicago	29	3	5	3	13	14	—	134	67	1	77	346
Cincinnati	—	11	4	—	45	6	—	104	29	—	45	244
Dallas	25	—	—	—	—	—	—	169	—	—	86	280
Los Angeles	774	—	—	—	—	—	—	—	—	—	8	782
New York	14	130	6	86	200	29	—	51	—	19	62	597
Philadelphia	8	106	7	90	39	23	30	43	—	—	11	357
Pittsburgh	1	46	2	8	26	10	62	39	—	—	22	216
San Francisco	298	—	—	—	—	—	—	4	—	—	6	308
Others 3/	207	181	9	29	81	46	—	321	49	887	232	2,042
Total	1,380	717	141	245	522	232	151	1,014	173	1,011	696	6,282

Refer to footnotes at end of table.

--Continued

Table 47--Arrivals of fresh cabbage in selected cities by major shipping points, 1983-93--Continued

Year and city	Shipping origin										Total	
	Califorinia	Florida	Georgia	New Jersey	New York 1/	North Carolina	Pennsylvania	Texas	Wisconsin	Canada		All others 2/
<i>1,000 cwt</i>												
1984:												
Atlanta	3	86	78	--	30	52	2	57	23	--	16	347
Baltimore	10	98	2	10	40	14	26	36	--	5	86	327
Boston	4	88	1	29	58	27	--	42	--	69	77	395
Chicago	25	11	5	2	14	9	--	147	67	1	102	383
Cincinnati	6	25	4	2	48	7	3	99	21	--	49	264
Dallas	31	--	--	--	--	--	--	185	--	--	105	321
Los Angeles	674	--	--	--	--	--	--	--	--	--	17	691
Newark	10	197	--	102	191	25	--	72	--	14	30	641
Philadelphia	2	99	5	104	32	21	27	49	--	1	30	370
Pittsburgh	8	56	3	8	21	8	75	27	--	--	15	221
San Francisco	278	--	--	--	--	--	--	2	--	--	5	285
Others 3/	206	178	10	17	61	80	--	452	47	697	269	2,017
Total	1,257	838	108	274	495	243	133	1,168	158	787	801	6,262
1983:												
Atlanta	2	130	67	2	17	56	--	40	23	--	14	351
Baltimore	1	177	2	12	49	35	16	16	1	4	63	376
Boston	--	110	8	29	77	26	--	55	--	49	74	428
Chicago	9	13	--	3	4	13	--	191	89	1	105	428
Cincinnati	3	24	1	2	42	6	1	125	39	1	41	285
Dallas	29	--	--	--	--	--	--	283	--	--	81	393
Los Angeles	698	--	--	--	--	--	--	--	--	--	15	713
Newark	7	295	8	129	269	18	--	63	--	4	8	801
Philadelphia	6	150	4	88	56	28	33	34	--	3	12	414
Pittsburgh	5	67	2	8	34	8	47	33	1	--	15	220
San Francisco	266	--	--	--	--	--	--	18	--	--	4	288
Others 3/	149	182	11	11	74	77	1	699	62	838	287	2,391
Total	1,175	1,148	103	284	622	267	98	1,557	215	900	719	7,088

-- = Not available.

1/ Includes Long Island.

2/ For 1993: AR, AZ, CO, CT, DE, IL, IN, KY, LA, MD, MA, MI, MS, MO, NM, OH, SC, TN, VA, WA, Mexico.

For 1992: Same as 1993, adding AL, OK, WV, Netherlands.

For 1991: Same as 1992 except for AR and Netherlands, adding OR.

For 1990: Same as 1992 except for AR, adding OR.

For 1989: Same as 1992 except for AR and WV, adding OR.

For 1988: Same as 1992 except for AR, OK, WV, and Netherlands, adding OR.

For 1987: Same as 1992 except for AR, MS, and OK, adding RI and OR.

For 1986: Same as 1992 except for AR, adding OR.

For 1985: Same as 1992, except for AR, adding OR and West Germany.

For 1983-84: Other origins not specified.

3/ For 1993: Buffalo, Columbia, Detroit, Miami, New Orleans, Saint Louis, and Seattle.

For 1992: Same as 1993.

For 1991: Same as 1993.

For 1990: Same as 1993, adding Montreal, Toronto, Vancouver, and Winnipeg.

For 1989: Same as 1990, adding Denver.

For 1988: Same as 1989, adding Ottawa.

For 1983-87: Same as 1988 except for Miami.

Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 48--Monthly shipments of cabbage, 1980-94

Item	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>1,000 cwt</i>															
Domestic: 1/															
January	1,641	1,602	1,510	1,511	822	1,297	1,323	1,337	1,369	1,272	771	1,179	1,172	1,060	922
February	1,514	1,541	1,286	1,342	907	1,088	1,351	1,245	1,175	1,190	824	1,085	1,095	992	984
March	1,726	1,868	1,692	1,657	1,169	1,384	1,684	1,500	1,534	1,578	1,222	1,438	1,437	1,306	1,369
April	1,627	1,611	1,575	1,473	1,472	1,210	1,483	1,356	1,235	1,241	1,135	1,205	1,195	1,160	1,148
May	1,204	1,116	1,023	1,182	1,493	1,125	1,138	1,136	957	1,018	1,020	937	967	932	774
June	451	397	461	605	657	405	340	462	448	479	361	333	552	626	462
July	370	361	247	169	323	497	442	471	374	581	438	496	305	421	427
August	701	548	472	479	912	867	875	851	895	847	788	723	611	749	779
September	574	536	466	617	825	818	800	808	742	595	709	639	579	791	666
October	603	466	408	600	624	638	655	678	610	350	529	681	499	750	722
November	677	502	577	812	651	732	684	782	738	602	582	788	667	808	933
December	1,127	1,077	1,109	1,079	975	1,089	1,122	1,126	1,144	929	1,028	1,067	1,106	978	914
Total	12,215	11,625	10,826	11,526	10,830	11,150	11,897	11,752	11,221	10,682	9,407	10,571	10,185	10,573	10,100
Imports:															
January	2	13	21	10	320	114	113	35	31	49	351	52	52	46	55
February	1	12	36	11	360	63	32	17	18	27	276	24	61	53	34
March	1	9	9	14	444	95	38	30	15	37	154	43	47	102	21
April	2	1	6	8	167	46	7	9	5	12	20	29	28	60	8
May	2	--	39	13	27	22	3	8	4	20	11	24	12	41	11
June	10	1	50	11	7	5	1	17	2	62	3	16	7	17	15
July	50	7	32	14	9	4	8	18	27	46	33	35	23	35	35
August	41	5	16	92	15	7	21	21	51	61	29	32	22	49	45
September	31	6	12	60	17	8	28	17	55	60	30	26	34	62	57
October	13	1	6	25	18	10	17	74	46	72	50	42	40	57	77
November	76	--	10	8	6	26	29	33	37	45	44	124	48	37	79
December	46	3	9	9	8	79	39	20	21	142	60	74	55	45	100
Total	275	58	246	275	1,398	479	336	299	312	633	1,061	521	429	604	537
Total:															
January	1,643	1,615	1,531	1,521	1,142	1,411	1,436	1,372	1,400	1,321	1,122	1,231	1,224	1,106	977
February	1,515	1,553	1,322	1,353	1,267	1,151	1,383	1,262	1,193	1,217	1,100	1,109	1,156	1,045	1,018
March	1,727	1,877	1,701	1,671	1,613	1,479	1,722	1,530	1,549	1,615	1,376	1,481	1,484	1,408	1,390
April	1,629	1,612	1,581	1,481	1,639	1,256	1,490	1,365	1,240	1,253	1,155	1,234	1,223	1,220	1,156
May	1,206	1,116	1,062	1,195	1,520	1,147	1,141	1,144	961	1,038	1,031	961	979	973	785
June	461	398	511	616	664	410	341	479	450	541	364	349	559	643	477
July	420	368	279	183	332	501	450	489	401	627	471	531	328	456	462
August	742	553	488	571	927	874	896	872	946	908	817	755	633	798	824
September	605	542	478	677	842	826	828	825	797	655	739	665	613	853	723
October	616	467	414	625	642	648	672	752	656	422	579	723	539	807	799
November	753	502	587	820	657	758	713	815	775	647	626	912	715	845	1,012
December	1,173	1,080	1,118	1,088	983	1,168	1,161	1,146	1,165	1,071	1,088	1,141	1,161	1,023	1,014
Total	12,490	11,683	11,072	11,801	12,228	11,629	12,233	12,051	11,533	11,315	10,468	11,092	10,614	11,177	10,637

-- = Not available.

1/ Includes some exports.

Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 49--Monthly shipments of sauerkraut, 1970-94 1/

Month	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	
<i>Short tons</i>													
January	15,017	14,228	14,465	13,219	15,446	15,219	12,567	13,075	13,331	10,436	15,243	13,178	
February	12,931	15,230	14,267	13,137	13,294	12,079	13,984	11,403	12,432	8,358	10,821	10,100	
March	9,792	12,563	11,219	11,086	11,996	9,580	11,843	9,975	10,738	11,602	8,152	11,014	
April	9,202	9,861	9,736	8,553	9,652	9,873	11,761	8,935	9,326	8,657	10,020	9,686	
May	6,720	9,435	8,893	8,361	7,916	8,358	8,258	9,899	10,403	8,756	8,127	6,687	
June	7,056	8,907	7,058	7,949	7,284	7,786	11,808	9,041	10,661	9,758	8,896	8,233	
July	7,311	7,990	6,998	6,862	6,174	8,244	6,980	7,819	7,829	10,117	6,216	7,682	
August	10,045	10,012	8,995	8,520	8,302	9,281	9,683	8,276	11,300	11,181	14,297	9,307	
September	16,533	16,019	12,453	9,933	13,298	14,296	14,730	15,228	14,735	9,563	10,658	15,830	
October	21,847	21,486	18,750	17,504	21,637	22,085	20,341	20,494	13,906	19,040	17,959	19,579	
November	16,266	16,968	16,513	16,567	21,227	11,317	10,533	13,041	11,171	15,629	15,299	10,413	
December	14,812	14,428	12,109	13,080	16,675	11,437	16,522	13,621	12,594	13,664	11,520	11,926	
Total	147,532	157,127	141,456	134,771	152,900	139,554	149,010	140,807	138,428	136,761	137,206	133,635	
<i>Short tons</i>													
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
January	12,572	13,489	10,719	10,035	8,588	10,232	11,639	8,271	8,440	10,368	9,654	7,649	7,673
February	10,200	10,924	8,306	8,343	7,657	9,037	9,741	6,541	9,777	8,583	7,628	5,596	6,408
March	10,224	9,040	8,125	9,342	8,280	7,290	6,999	8,469	6,048	7,621	7,880	7,949	5,315
April	9,021	8,699	8,710	7,618	8,323	9,315	6,847	6,071	5,232	8,615	6,359	6,908	4,941
May	7,665	7,924	6,707	7,057	7,666	7,327	6,264	7,059	6,375	7,465	5,601	6,363	4,939
June	7,421	7,829	6,025	5,668	8,233	6,237	6,149	6,696	6,672	5,206	5,247	7,643	4,751
July	8,161	7,265	5,850	6,343	7,234	6,627	6,757	5,132	5,898	6,859	5,860	6,589	4,128
August	8,920	6,229	7,115	9,285	10,153	7,689	6,924	10,534	10,220	13,117	14,333	5,061	4,877
September	10,614	10,551	10,380	11,621	10,035	14,249	16,901	13,306	18,859	15,529	7,055	19,239	8,630
October	14,949	16,474	15,886	15,200	16,163	16,850	17,696	17,084	26,022	16,187	15,736	9,031	11,480
November	8,930	12,891	10,893	8,576	12,789	14,250	13,659	15,412	12,875	7,082	8,453	8,012	8,532
December	11,624	11,480	11,758	11,243	9,685	11,737	10,778	13,213	8,954	11,930	10,214	9,755	9,740
Total	120,300	122,794	110,474	110,329	114,807	120,839	120,354	117,789	125,372	118,562	104,021	99,796	81,415

1/ Converted to tons from barrels by multiplying by 17.08 to convert to cases and using 23.4 pounds per case.

Source: National Kraut Packers Association

Table 50--U.S. sauerkraut: Packer stocks on hand August 1, 1961-94 1/

Year	U.S. stocks	Year	U.S. stocks	Year	U.S. stocks	Year	U.S. stocks
	<i>Short tons</i>		<i>Short tons</i>		<i>Short tons</i>		<i>Short tons</i>
		1970	30,280	1980	28,642	1990	27,179
1961	36,797	1971	38,645	1981	23,821	1991	25,834
1962	41,547	1972	27,717	1982	37,475	1992	20,124
1963	41,804	1973	15,327	1983	49,304	1993	25,635
1964	41,886	1974	14,765	1984	13,151	1994	28,373
1965	24,430	1975	32,046	1985	21,376		
1966	28,642	1976	35,662	1986	33,298		
1967	19,598	1977	34,304	1987	18,077		
1968	39,183	1978	27,191	1988	16,825		
1969	31,403	1979	25,272	1989	15,222		

1/ Converted from barrels to tons by multiplying by 17.08 to convert to cases and using 23.4 pounds per case.

Source: National Kraut Packers Association.

Table 51--U.S. fresh cabbage: Supply and utilization, 1970-94 1/

Year	Supply			Utilization		Per capita use
	Production 2/	Imports 3/	Total	Exports 3/	Total	
----- Million pounds -----						Pounds
1970	1,866.9	7.7	1,874.6	61.1	1,813.5	8.8
1971	1,921.5	7.5	1,929.0	71.0	1,858.0	8.9
1972	1,861.1	6.4	1,867.5	90.2	1,777.3	8.5
1973	1,990.7	12.7	2,003.4	101.8	1,901.6	9.0
1974	1,971.2	0.8	1,972.0	55.8	1,916.2	9.0
1975	2,019.7	5.3	2,025.0	65.1	1,959.9	9.1
1976	1,912.2	0.6	1,912.8	56.4	1,856.4	8.5
1977	1,917.4	39.9	1,957.3	72.8	1,884.5	8.6
1978	2,013.4	24.0	2,037.4	107.3	1,930.1	8.7
1979	1,936.9	17.1	1,954.0	101.7	1,852.3	8.2
1980	1,884.9	29.8	1,914.7	73.5	1,841.2	8.1
1981	1,981.1	5.9	1,987.0	92.8	1,894.2	8.2
1982	2,087.7	26.6	2,114.3	78.3	2,036.0	8.8
1983	1,975.0	30.8	2,005.8	61.2	1,944.6	8.3
1984	2,002.3	143.2	2,145.5	78.8	2,066.7	8.7
1985	2,132.2	39.1	2,171.3	63.0	2,108.3	8.8
1986	2,143.4	28.5	2,171.9	64.7	2,107.1	8.8
1987	2,275.9	29.1	2,305.0	68.4	2,236.6	9.2
1988	2,251.2	30.7	2,281.9	50.3	2,231.5	9.1
1989	2,146.5	57.3	2,203.8	50.3	2,153.5	8.7
1990	2,163.4	88.2	2,251.6	59.2	2,192.4	8.8
1991	2,187.1	45.5	2,232.6	77.0	2,155.6	8.5
1992	2,326.7	39.5	2,366.2	86.9	2,279.3	8.9
1993	2,536.0	58.1	2,594.1	81.5	2,512.6	9.7
1994	2,563.7	51.7	2,615.4	82.9	2,532.5	9.7

1/ Largely head cabbage. End of year stocks and shrinkage are not included.

2/ Source: National Agricultural Statistics Services, U.S. Dept. of Agriculture. From 1981-91, production was estimated by ERS based on State reports.

3/ Source: Bureau of the Census, U.S. Dept. of Commerce. From 1978-89, U.S. exports were adjusted using Canadian import data. Excludes sauerkraut.

Table 52--U.S. cabbage for sauerkraut: Supply and utilization, fresh weight equivalent, 1970-94 1/

Year	Supply				Utilization			Per capita use
	Production 2/	Imports 3/	Beginning stocks 4/	Total	Exports 3/	Ending stocks 4/	Total	
----- Million pounds -----								Pounds
1970	532.2	0.1	362.6	894.9	--	422.7	472.2	2.3
1971	469.9	0.2	422.7	892.8	--	380.3	512.5	2.5
1972	396.2	0.3	380.3	776.8	--	317.9	459.0	2.2
1973	438.3	0.3	317.9	756.5	--	305.2	451.3	2.1
1974	562.9	0.4	305.2	868.5	--	383.9	484.6	2.3
1975	479.5	0.2	383.9	863.7	--	420.2	443.5	2.1
1976	464.1	0.4	420.2	884.7	--	400.9	483.8	2.2
1977	469.5	0.5	400.9	871.0	--	389.1	481.9	2.2
1978	435.6	0.2	389.1	824.9	--	359.8	465.2	2.1
1979	475.6	0.4	359.8	835.8	--	372.6	463.2	2.1
1980	418.0	0.3	372.6	791.0	--	338.8	452.2	2.0
1981	492.2	0.3	338.8	831.3	--	365.2	466.1	2.0
1982	440.2	0.8	365.2	806.1	--	412.1	394.0	1.7
1983	302.7	1.8	412.1	716.6	--	229.6	487.0	2.1
1984	433.6	2.7	229.6	666.0	--	264.7	401.3	1.7
1985	426.8	3.1	264.7	694.6	--	314.8	379.7	1.6
1986	315.4	3.2	314.8	633.4	--	260.3	373.2	1.6
1987	379.0	2.8	260.3	642.1	--	250.9	391.2	1.6
1988	324.5	2.2	250.9	577.6	--	226.3	351.3	1.4
1989	374.5	7.9	226.3	608.7	2.2	289.2	317.3	1.3
1990	315.4	3.6	289.2	608.2	5.1	304.5	298.7	1.2
1991	324.5	1.6	304.5	630.6	6.7	260.0	363.9	1.4
1992	331.0	2.0	260.0	593.1	14.3	284.1	294.7	1.2
1993	269.0	3.9	284.1	557.0	15.5	189.4	352.1	1.4
1994	369.9	12.0	189.4	571.3	16.1	232.4	322.8	1.2

-- = Not available.

1/ Cabbage produced for processing into sauerkraut.

2/ Source: National Agricultural Statistics Service, U.S. Dept. of Agriculture. From 1981-91, production was estimated by ERS based on available State reports.

3/ Source: Bureau of the Census, U.S. Dept. of Commerce.

4/ Based on data from the National Kraut Packers Association.

Table 53--U.S. cabbage: Southern retail value, wholesale and shipping point prices, and grower-packer share of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
	<i>Dollars per 1-3/4-bu crate 2/</i>						
Retail value: 3/							
1984/85	10.18	11.21	17.81	14.51	15.95	13.21	14.63
1985/86	12.37	16.51	14.18	11.67	11.44	12.60	12.87
1986/87	14.88	11.39	11.35	9.77	11.11	12.97	10.75
1987/88	12.65	10.09	11.30	10.51	11.07	12.14	10.93
1988/89	13.81	13.35	12.79	12.37	13.21	14.97	13.02
1989/90	13.81	28.32	22.79	23.90	15.62	13.16	20.47
1990/91	16.93	17.72	15.58	15.95	15.48	16.88	16.17
Wholesale price: 4/							
1984/85	4.75	5.75	9.50	9.00	8.50	5.25	7.72
1985/86	6.00	8.75	6.00	5.75	4.25	6.25	5.83
1986/87	5.50	6.50	5.75	4.75	5.75	7.00	5.43
1987/88	--	6.50	6.00	5.13	5.50	6.25	5.70
1988/89	--	6.25	4.63	5.50	6.00	6.88	5.63
1989/90	6.00	13.50	10.00	12.50	5.75	4.88	9.33
1990/91	--	7.50	6.00	5.25	6.00	7.00	6.15
F.o.b. shipping point price, Florida: 5/							
1984/85	--	4.00	8.00	8.00	7.00	4.50	6.34
1985/86	--	7.70	4.00	4.35	3.13	5.00	4.54
1986/87	--	--	4.00	3.00	4.10	5.09	3.70
1987/88	3.37	3.88	5.05	4.05	4.80	5.00	4.54
1988/89	4.63	4.38	4.50	4.50	4.00	6.25	4.60
1989/90	4.74	12.50	11.20	10.00	3.90	4.20	8.00
1990/91	4.30	4.90	4.00	4.40	5.80	6.88	4.98
Grower-packer share of retail value: 6/							
	<i>Percent</i>						
1984/85	--	35.7	44.9	55.1	43.9	34.1	43.3
1985/86	--	46.6	28.2	37.3	27.4	39.7	35.3
1986/87	--	--	35.3	30.7	36.9	39.2	34.4
1987/88	26.6	38.5	44.7	38.5	43.4	41.2	41.6
1988/89	33.5	32.8	35.2	36.4	30.3	41.7	35.3
1989/90	34.3	44.1	49.2	41.8	25.0	31.9	39.1
1990/91	25.4	27.7	25.7	27.6	37.5	40.8	30.8

-- = Not available.

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

3/ Adjusted to allow for 7-percent loss incurred during marketing. Source: Bureau of Labor Statistics, U.S. Dept. of Labor.

4/ Origin same as shipping point. Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

5/ Source: Agricultural Marketing Service, U.S. Dept. of Agriculture. F.o.b. = free on board.

6/ Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 54--U.S. cabbage: North Central retail value, wholesale and shipping point prices, and grower-packer share of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
<i>Dollars per 1-3/4-bu crate 2/</i>							
Retail value: 3/							
1984/85	12.23	14.42	21.44	16.32	18.79	15.76	16.54
1985/86	13.49	17.76	16.09	12.69	14.04	15.35	14.84
1986/87	16.18	15.16	14.14	12.79	14.60	15.62	14.51
1987/88	14.42	13.86	14.23	13.39	14.97	16.09	14.16
1988/89	15.07	15.21	15.67	13.95	14.93	16.00	14.95
1989/90	14.55	27.06	25.62	23.81	16.41	14.93	21.39
1990/91	17.48	18.60	16.41	13.44	14.37	17.30	15.65
Wholesale price: 4/							
1984/85	6.25	7.50	10.00	9.50	8.50	6.25	8.11
1985/86	8.00	11.00	7.25	6.25	5.00	6.25	7.37
1986/87	7.00	7.00	5.50	5.75	5.75	7.00	6.28
1987/88	5.75	6.50	8.00	6.75	7.75	9.00	6.97
1988/89	7.00	7.50	6.25	7.00	6.25	8.50	7.02
1989/90	7.00	12.00	10.50	15.00	7.00	6.50	10.76
1990/91	7.75	9.50	6.75	6.50	7.25	9.00	7.43
F.o.b. shipping point price, Texas: 5/							
1984/85	3.00	3.50	7.00	7.00	6.00	3.00	4.99
1985/86	4.00	5.00	3.05	3.00	2.50	4.75	3.45
1986/87	4.00	3.50	3.00	3.00	3.50	3.75	3.39
1987/88	2.35	3.50	5.00	3.00	4.50	4.75	3.60
1988/89	3.35	3.25	4.31	3.25	3.13	5.95	3.71
1989/90	4.20	10.00	7.70	8.40	4.05	4.06	7.02
1990/91	4.50	5.50	3.40	3.25	4.40	5.50	4.12
Grower-packer share of retail value: 6/							
	<i>Percent</i>						
1984/85	24.5	24.3	32.7	42.9	31.9	19.0	30.2
1985/86	29.7	28.1	19.0	23.6	17.8	31.0	23.2
1986/87	24.7	23.1	21.2	23.5	24.0	24.0	23.4
1987/88	16.3	25.3	35.1	22.4	30.1	29.5	25.4
1988/89	22.2	21.4	27.5	23.3	21.0	37.2	24.8
1989/90	28.9	37.0	30.1	35.3	24.7	27.2	32.8
1990/91	25.7	29.6	20.7	24.2	30.6	31.8	26.3

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

3/ Adjusted to allow for 7-percent loss incurred during marketing. Source: Bureau of Labor Statistics, U.S. Dept. of Labor.

4/ Origin same as shipping point. Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

5/ Source: Agricultural Marketing Service, U.S. Dept. of Agriculture. F.o.b. = free on board.

6/ Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 55--U.S. cabbage: Northeast retail value, wholesale and shipping point prices, and grower-packer share of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
	<i>Dollars per 1-3/4-bu crate 2/</i>						
Retail value: 3/							
1984/85	11.02	12.69	18.83	17.11	18.97	16.65	16.68
1985/86	12.88	16.46	16.37	13.44	13.76	15.25	14.69
1986/87	15.95	16.23	17.21	14.46	16.60	18.18	16.47
1987/88	16.32	17.02	17.76	16.09	17.86	18.51	17.49
1988/89	16.88	17.34	18.09	17.58	18.51	22.65	18.64
1989/90	--	--	--	22.65	23.48	20.51	21.91
1990/91	16.28	18.65	18.88	15.48	18.74	21.90	18.64
Wholesale price: 4/							
1984/85	--	6.00	7.50	7.50	11.50	7.50	7.95
1985/86	--	11.50	6.50	6.50	5.50	7.50	7.07
1986/87	7.50	7.50	7.50	5.50	5.00	8.50	6.44
1987/88	5.50	5.25	7.00	6.00	6.00	7.50	6.38
1988/89	5.00	7.50	5.50	6.00	5.00	8.50	6.27
1989/90	6.50	13.00	13.00	13.00	5.50	7.00	8.17
1990/91	7.00	6.50	5.50	6.00	7.50	9.50	6.99
F.o.b. shipping point price, Florida: 5/							
1984/85	--	4.00	8.00	8.00	7.00	4.50	5.98
1985/86	--	7.70	4.00	4.35	3.13	5.00	4.53
1986/87	--	--	4.00	3.00	4.10	5.09	4.00
1987/88	3.37	3.88	5.05	4.05	4.80	5.00	4.53
1988/89	4.63	4.38	4.50	4.50	4.00	6.25	4.71
1989/90	4.74	12.50	11.29	10.00	3.90	4.20	5.65
1990/91	4.30	4.90	4.00	4.40	5.80	6.88	5.13
Grower-packer share of retail value: 6/							
				<i>Percent</i>			
1984/85	--	31.5	42.5	46.8	36.9	27.0	35.8
1985/86	--	46.8	24.4	32.4	22.7	32.8	30.8
1986/87	--	--	23.2	20.7	24.7	28.0	24.3
1987/88	20.6	22.8	28.4	25.2	26.9	27.0	25.9
1988/89	27.4	25.3	24.9	25.6	21.6	27.6	25.3
1989/90	--	--	--	44.2	16.6	20.5	25.8
1990/91	26.4	26.3	21.2	28.4	31.0	31.4	27.5

-- = Not available.

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

3/ Adjusted to allow for 7-percent loss incurred during marketing. Source: Bureau of Labor Statistics, U.S. Dept. of Labor.

4/ Origin same as shipping point. Source: Agricultural Marketing Service, U.S. Dept. of Agriculture.

5/ Source: Agricultural Marketing Service, U.S. Dept. of Agriculture. F.o.b. = free on board.

6/ Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 56--U.S. cabbage: Southern wholesale-retail and shipping point-wholesale spreads and shares of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
	<i>Dollars per 1-3/4-bu crate 2/</i>						
Wholesale-retail spread:							
1984/85	5.43	5.46	8.31	5.51	7.45	7.96	6.91
1985/86	6.37	7.76	8.18	5.92	7.19	6.35	7.04
1986/87	9.38	4.89	5.60	5.02	5.36	5.97	5.32
1987/88	--	3.59	5.30	5.38	5.57	5.89	5.22
1988/89	--	7.10	8.16	6.87	7.21	8.09	7.38
1989/90	7.81	14.82	12.79	11.40	9.87	8.28	11.14
1990/91	--	10.22	9.58	10.70	9.48	9.88	10.02
Shipping point-wholesale spread:							
1984/85	--	1.75	1.50	1.00	1.50	0.75	1.38
1985/86	--	1.05	2.00	1.40	1.12	1.25	1.29
1986/87	--	--	1.75	1.75	1.65	1.91	1.73
1987/88	--	2.62	0.95	1.08	0.70	1.25	1.16
1988/89	--	1.87	0.13	1.00	2.00	0.63	1.03
1989/90	1.26	1.00	-1.20	2.50	1.85	0.68	1.33
1990/91	--	2.60	2.00	0.85	0.20	0.12	1.17
Wholesale-retail share of retail value:							
	<i>Percent</i>						
1984/85	53.4	48.7	46.7	38.0	46.7	60.2	47.2
1985/86	51.5	47.0	57.7	50.7	62.8	50.4	54.7
1986/87	63.0	42.9	49.3	51.4	48.3	46.0	49.5
1987/88	--	35.6	46.9	51.2	50.3	48.5	47.8
1988/89	--	53.2	63.8	55.5	54.6	54.1	56.7
1989/90	56.6	52.3	56.1	47.7	63.2	62.9	54.4
1990/91	--	57.7	61.5	67.1	61.3	58.5	62.0
Shipping point-wholesale share of retail value:							
1984/85	--	15.6	8.4	6.9	9.4	5.7	9.5
1985/86	--	6.4	14.1	12.0	9.8	9.9	10.0
1986/87	--	--	15.4	17.9	14.8	14.7	16.1
1987/88	--	26.0	8.4	10.3	6.3	10.3	10.6
1988/89	--	14.0	1.0	8.1	15.1	4.2	8.0
1989/90	9.1	3.5	-5.3	10.5	11.8	5.2	6.5
1990/91	--	14.7	12.8	5.3	1.3	0.7	7.2

-- = Not available.

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 57--U.S. cabbage: North Central wholesale-retail and shipping point-wholesale spreads and shares of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
<i>Dollars per 1-3/4-bu crate 2/</i>							
Wholesale-retail spread:							
1984/85	5.98	6.92	11.44	6.82	10.29	9.51	8.43
1985/86	5.49	6.76	8.84	6.44	9.04	9.10	7.47
1986/87	9.18	8.16	8.64	7.04	8.85	8.62	8.24
1987/88	8.67	7.36	6.23	6.64	7.22	7.09	7.19
1988/89	8.07	7.71	9.42	6.95	8.68	7.50	7.92
1989/90	7.55	15.06	15.12	8.81	9.41	8.43	10.63
1990/91	9.73	9.10	9.66	6.94	7.12	8.30	8.22
Shipping point-wholesale spread:							
1984/85	3.25	4.00	3.00	2.50	2.50	3.25	3.12
1985/86	4.00	6.00	4.20	3.25	2.50	1.50	3.92
1986/87	3.00	3.50	2.50	2.75	2.25	3.25	2.89
1987/88	3.40	3.00	3.00	3.75	3.25	4.25	3.37
1988/89	3.65	4.25	1.94	3.75	3.12	2.55	3.31
1989/90	2.80	2.00	2.80	6.60	2.95	2.44	3.74
1990/91	3.25	4.00	3.35	3.25	2.85	3.50	3.31
Wholesale-retail share of retail value:							
	<i>Percent</i>						
1984/85	48.9	48.0	53.4	41.8	54.8	60.4	51.0
1985/86	40.7	38.1	54.9	50.8	64.4	59.3	50.4
1986/87	56.7	53.8	61.1	55.0	60.6	55.2	56.8
1987/88	60.1	53.1	43.8	49.6	48.2	44.1	50.8
1988/89	53.5	50.7	60.1	49.8	58.1	46.9	53.0
1989/90	51.9	55.7	59.0	37.0	57.4	56.5	49.7
1990/91	55.7	48.9	58.9	51.6	49.5	48.0	52.5
Shipping point-wholesale share of retail value:							
1984/85	26.6	27.7	14.0	15.3	13.3	20.6	18.9
1985/86	29.7	33.8	26.1	25.6	17.8	9.8	26.4
1986/87	18.5	23.1	17.7	21.5	15.4	20.8	19.9
1987/88	23.6	21.6	21.1	28.0	21.7	26.4	23.8
1988/89	24.2	28.0	12.4	26.9	20.9	15.9	22.2
1989/90	19.2	7.4	10.9	27.7	18.0	16.3	17.5
1990/91	18.6	21.5	20.4	24.2	19.8	20.2	21.2

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept of Agriculture.

Table 58--U.S. cabbage: Northeast wholesale-retail and shipping point-wholesale spreads and shares of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
<i>Dollars per 1-3/4-bu. crate 2/</i>							
Wholesale-retail spread:							
1984/85	--	6.69	11.33	9.61	7.47	9.15	8.73
1985/86	--	4.96	9.87	6.94	8.26	7.75	7.62
1986/87	8.45	8.73	9.70	8.96	11.60	9.68	10.04
1987/88	10.82	11.77	10.76	10.09	11.86	11.01	11.12
1988/89	11.88	9.84	12.59	11.58	13.51	14.15	12.37
1989/90	--	--	--	9.65	17.98	13.51	13.74
1990/91	9.27	12.15	13.38	9.48	11.24	12.40	11.65
Shipping point-wholesale spread:							
1984/85	--	2.00	-0.50	-0.50	4.50	3.00	1.97
1985/86	--	3.80	2.50	2.15	2.37	2.50	2.54
1986/87	--	--	3.50	2.50	0.90	3.41	2.43
1987/88	2.13	1.37	1.95	1.95	1.20	2.50	1.85
1988/89	0.37	3.12	1.00	1.50	1.00	2.25	1.56
1989/90	1.76	0.50	1.80	3.00	1.60	2.80	2.51
1990/91	2.70	1.60	1.50	1.60	1.70	2.62	1.86
Wholesale-retail share				<i>Percent</i>			
of retail value:							
1984/85	--	52.7	60.2	56.2	39.4	54.9	52.3
1985/86	--	30.1	60.3	51.6	60.0	50.8	51.9
1986/87	53.0	53.8	56.4	62.0	69.9	53.2	60.9
1987/88	66.3	69.2	60.6	62.7	66.4	59.5	63.5
1988/89	70.4	56.8	69.6	65.9	73.0	62.5	66.4
1989/90	--	--	--	42.6	76.6	65.9	62.7
1990/91	57.0	65.1	70.9	61.3	60.0	56.6	62.5
Shipping point-wholesale share of retail value:							
1984/85	--	15.8	-2.7	-2.9	23.7	18.0	11.8
1985/86	--	23.1	15.3	16.0	17.2	16.4	17.3
1986/87	--	--	20.3	17.3	5.4	18.8	14.8
1987/88	13.1	8.0	11.0	12.1	6.7	13.5	10.6
1988/89	2.2	18.0	5.5	8.5	5.4	9.9	8.3
1989/90	--	--	--	13.2	6.8	13.7	11.5
1990/91	16.6	8.6	7.9	10.3	9.1	12.0	10.0

-- = Not available.

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 59--U.S. cabbage: Southern delivered city-retail spread, transportation charges, and their shares of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
<i>Dollars per 1-3/4-bu. crate 2/</i>							
Delivered city-retail spread:							
1984/85	--	--	--	--	8.07	7.33	7.85
1985/86	--	7.59	--	--	--	6.85	7.25
1986/87	--	--	6.72	6.14	6.31	7.00	6.39
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--
Transportation charges: 3/							
1984/85	1.13	--	--	--	0.88	1.38	1.03
1985/86	1.22	1.22	--	--	--	0.75	1.00
1986/87	1.03	0.63	0.63	0.63	0.70	0.88	0.66
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--
<i>Percent</i>							
Delivered city-retail spread share of retail value:							
1984/85	--	--	--	--	50.6	55.5	51.9
1985/86	--	46.0	--	--	--	54.4	49.3
1986/87	--	--	59.2	62.8	56.8	54.0	59.4
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--
Transportation charges share of retail value:							
1984/85	11.1	--	--	--	5.5	10.4	6.8
1985/86	9.9	7.4	--	--	--	6.0	6.8
1986/87	6.9	5.5	5.6	6.5	6.3	6.8	6.2
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--

-- = Not available.

1/ U.S. no. 1, domestic round type. Discontinued in 1987/88.

2/ 50-pound crate.

3/ Truck charges for Florida to Atlanta.

Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 60--U.S. cabbage: North Central delivered city-retail spread, transportation charges, and their shares of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
<i>Dollars per 1-3/4-bu crate 2/</i>							
Delivered city-retail spread:							
1984/85	7.48	9.04	12.50	7.48	10.95	10.67	9.66
1985/86	7.68	9.76	11.20	7.78	9.54	8.29	9.27
1986/87	10.30	9.60	9.30	7.85	9.13	--	9.02
1987/88	10.18	8.30	7.39	8.30	8.53	9.26	8.58
1988/89	9.88	10.02	9.42	8.82	9.74	--	9.45
1989/90	8.35	15.15	16.04	13.47	10.36	--	13.09
1990/91	11.04	11.16	11.13	8.25	8.03	--	9.58
Transportation charges: 3/							
1984/85	1.75	1.88	1.94	1.84	1.84	2.09	1.89
1985/86	1.81	3.00	1.84	1.91	2.00	2.31	2.12
1986/87	1.88	2.06	1.84	1.94	1.97	--	1.94
1987/88	1.88	2.06	1.84	20.90	1.94	2.08	1.98
1988/89	1.84	1.94	1.94	1.88	2.06	--	1.92
1989/90	2.00	1.91	1.88	1.94	2.00	--	1.94
1990/91	1.94	1.94	1.88	1.94	1.94	--	1.93
Delivered city-retail spread				<i>Percent</i>			
share of retail value:							
1984/85	61.2	62.7	58.3	45.8	58.3	67.7	58.4
1985/86	56.9	55.0	69.6	61.3	68.0	54.0	62.5
1986/87	63.7	63.3	65.8	61.4	62.5	--	63.2
1987/88	70.7	59.9	51.9	62.0	57.0	57.5	60.6
1988/89	65.6	65.9	60.1	63.2	65.2	--	63.7
1989/90	57.4	56.0	62.6	56.6	63.1	--	57.9
1990/91	63.2	60.0	67.8	61.4	55.9	--	61.8
Transportation charges							
share of retail value:							
1984/85	14.3	13.0	9.0	11.3	9.8	13.3	11.4
1985/86	13.4	16.9	11.4	15.0	14.2	15.1	14.3
1986/87	11.6	13.6	13.0	15.2	13.5	--	13.6
1987/88	13.0	14.9	12.9	15.6	13.0	12.9	14.0
1988/89	12.2	12.8	12.4	13.5	13.8	--	13.0
1989/90	13.7	7.1	7.3	8.1	12.2	--	8.6
1990/91	11.1	10.4	11.5	14.4	13.5	--	12.4

-- = Not available.

1/ U.S. no. 1, domestic round type.

2/ 50-pound crate.

3/ Truck charges for Rio Grande Valley, Texas, to New York City.

Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 61--U.S. cabbage: Northeast delivered city-retail spread, transportation charges, and their shares of retail value by month and season, 1984/85-1990/91 1/

Category and year	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
<i>Dollars per 1-3/4-bu. crate 2/</i>							
Delivered city-retail spread:							
1984/85	--	--	--	--	9.87	9.40	9.57
1985/86	--	6.35	10.03	6.75	7.97	7.59	7.65
1986/87	--	--	11.25	9.51	10.60	10.76	10.40
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--
Transportation charges: 3/							
1984/85	2.16	--	--	--	2.10	2.75	2.62
1985/86	2.34	2.41	2.34	2.34	2.66	2.66	2.49
1986/87	2.34	1.95	1.95	1.95	1.90	2.33	2.02
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--
Delivered city-retail spread							
<i>Percent</i>							
share of retail value:							
1984/85	--	--	--	--	52.0	56.4	54.7
1985/86	--	38.6	61.3	50.2	57.9	49.8	51.6
1986/87	--	--	65.4	65.8	63.9	59.2	63.6
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--
Transportation charges							
share of retail value:							
1984/85	19.6	--	--	--	11.1	16.5	14.4
1985/86	18.2	14.6	14.3	17.4	19.3	17.4	16.8
1986/87	14.7	12.0	11.3	13.5	11.4	12.8	12.4
1987/88	--	--	--	--	--	--	--
1988/89	--	--	--	--	--	--	--
1989/90	--	--	--	--	--	--	--
1990/91	--	--	--	--	--	--	--

-- = Not available.

1/ U.S. no. 1, domestic round type. Discontinued in 1987/88.

2/ 50-pound crate.

3/ Truck charges for Florida to New York City.

Source: Economic Research Service and Agricultural Marketing Service, U.S. Dept. of Agriculture.

Table 62--U.S. cabbage exports to selected countries: Fresh or chilled, 1978-94 1/

Trade partner	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>1,000 pounds</i>																	
Canada	104,366.5	96,940.7	68,473.0	85,955.3	74,086.2	58,761.9	75,688.1	60,303.4	63,672.3	66,910.0	47,625.5	44,740.2	54,765.0	71,642.9	81,077.7	77,324.8	75,332.0
Hong Kong	120.6	1,547.4	1,336.2	2,680.8	2,352.1	1,027.3	1,274.1	1,390.7	543.3	950.8	1,642.9	1,198.8	2,565.9	2,788.2	2,389.7	2,709.1	4,108.6
Mexico	214.5	238.0	281.7	231.7	25.5	5.0	12.3	50.4	11.7	--	45.3	555.8	219.5	676.8	1,001.1	666.2	690.4
Bahamas	199.9	127.7	67.1	24.9	21.7	49.3	34.8	--	--	17.4	18.8	42.2	64.8	--	548.8	16.1	46.8
Japan	137.3	97.8	57.2	61.6	85.5	71.5	164.6	101.1	50.0	53.8	125.1	288.3	111.8	524.4	540.7	89.2	--
Taiwan	--	--	--	14.9	54.8	5.5	29.7	5.4	--	130.0	299.3	368.4	1,081.3	545.5	515.9	358.7	926.2
Others	2,247.8	2,719.0	3,317.3	3,662.9	1,403.5	1,311.6	1,488.2	1,078.7	377.4	126.4	566.3	85.5	412.8	783.1	829.8	330.9	1,840.0
World	107,286.7	101,670.6	73,532.5	92,632.1	78,029.3	61,232.1	78,691.9	62,929.7	64,654.7	68,188.4	50,323.2	47,279.3	59,221.0	76,960.8	86,903.7	81,495.0	82,944.1
<i>\$1,000</i>																	
Canada	12,593.8	13,860.0	8,207.7	9,640.6	16,272.0	8,325.5	18,972.3	12,781.8	12,667.2	13,171.1	14,790.0	14,637.8	11,111.8	12,275.9	12,021.0	14,631.9	13,521.7
Hong Kong	12.0	163.0	235.0	596.0	419.0	159.0	218.0	216.0	71.0	186.0	301.0	210.0	431.4	532.9	437.3	497.1	983.6
Mexico	25.0	27.0	38.0	25.0	2.0	1.0	3.0	6.0	1.0	--	10.0	60.8	26.2	81.3	125.9	134.4	90.3
Bahamas	27.0	17.0	9.0	3.0	3.0	7.0	11.0	--	--	2.0	5.0	12.7	34.6	--	12.3	8.0	2.9
Japan	23.0	22.0	14.0	14.0	22.0	18.0	45.0	32.0	10.0	11.0	16.0	74.4	49.5	83.5	139.5	9.8	--
Taiwan	--	--	--	5.0	18.0	1.0	3.0	1.0	--	28.0	53.0	53.6	172.5	88.8	92.4	83.5	181.9
Others	417.0	520.0	575.0	1,950.0	366.0	237.0	207.0	147.0	67.0	23.0	108.0	23.2	110.5	157.5	141.8	51.8	297.0
World	13,097.8	14,609.0	9,078.7	12,233.6	17,102.0	8,748.5	19,459.3	13,183.8	12,816.2	13,421.1	15,283.0	15,072.5	11,936.5	13,219.7	12,970.4	15,416.5	15,077.4

-- = No quantities exported.

1/ From 1978-89, U.S. exports were adjusted using Canadian import data.

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

Table 63--U.S. cabbage exports to selected countries: Sauerkraut, prepared or preserved, 1989-94 1/

Trade partner	1989	1990	1991	1992	1993	1994
<i>1,000 pounds</i>						
Canada	1,507.6	1,804.4	2,706.3	6,661.6	7,744.2	7,946.5
Japan	229.3	582.0	594.4	647.3	497.3	573.3
United Kingdom	--	--	55.8	230.2	26.0	--
Taiwan	9.8	14.3	12.0	30.9	8.3	--
Netherland Antilles	20.9	43.5	26.4	29.8	19.4	27.2
Greece	--	--	--	27.0	--	--
Others	187.6	283.4	223.0	59.5	54.6	135.5
World	1,955.3	2,727.6	3,617.8	7,686.3	8,349.8	8,682.5
<i>\$1,000</i>						
Canada	490.2	530.0	777.7	1,626.3	1,808.4	1,788.1
Japan	63.2	178.4	186.9	235.6	169.4	201.1
United Kingdom	--	--	29.8	105.5	13.9	--
Taiwan	3.5	5.0	5.9	11.0	3.8	--
Netherland Antilles	8.4	14.6	9.4	9.7	5.8	8.3
Greece	--	--	--	42.3	--	--
Others	77.8	105.2	99.6	30.7	27.3	57.1
World	643.2	833.2	1,109.1	2,061.0	2,028.6	2,054.5

-- = No quantities exported.

1/ Exports for 1989 were adjusted using Canadian import data.

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

Table 64--U.S. cabbage imports from selected countries: Fresh or chilled, 1978-94

Trade partner	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>1,000 pounds</i>																	
Canada	1,763.8	2,868.7	17,360.8	4,223.0	5,830.3	13,094.5	20,303.7	18,648.6	24,888.7	26,220.6	29,212.3	44,212.8	43,863.5	34,038.2	23,914.5	37,657.5	38,116.9
Mexico	4,809.2	11,897.1	4,433.0	1,517.5	13,198.4	15,247.7	101,041.8	15,714.1	2,048.3	75.9	1,405.5	6,987.3	40,152.3	11,055.2	14,720.3	18,566.5	13,248.4
Netherlands	17,350.2	2,320.0	7,888.0	40.0	7,245.2	1,852.3	17,768.3	3,497.5	886.8	2,584.8	--	5,894.4	3,777.6	266.3	365.9	1,522.6	270.0
Chile	--	--	--	--	--	--	--	--	3.8	226.8	4.2	2.0	--	--	334.6	157.7	108.0
Guatemala	--	--	--	--	50.5	--	548.3	40.3	127.9	32.6	36.6	--	--	--	62.2	220.2	--
Venezuela	--	--	--	--	--	--	--	--	--	--	--	--	--	--	55.3	--	--
Others	27.0	29.2	127.3	101.4	249.7	610.9	3,529.5	1,197.3	89.1	5.9	8.9	228.6	428.8	130.0	16.1	14.3	--
World	23,950.1	17,115.1	29,809.0	5,881.9	26,574.1	30,805.4	143,191.6	39,097.7	28,044.7	29,146.6	30,667.6	57,325.1	88,222.2	45,489.6	39,468.9	58,138.8	51,743.3
<i>\$1,000</i>																	
Canada	136.5	187.7	1,670.2	365.6	488.4	1,288.5	3,757.2	2,012.5	2,668.8	2,491.7	2,950.0	4,348.0	5,550.8	4,292.4	2,380.3	4,560.1	4,332.7
Mexico	241.1	834.8	455.9	229.6	840.9	711.3	5,465.8	1,306.9	120.8	11.4	164.2	502.7	2,303.2	764.1	1,081.0	1,523.0	1,125.7
Netherlands	835.8	227.6	402.8	5.9	956.7	126.5	2,852.9	319.5	71.6	311.0	--	611.9	326.4	18.7	39.7	361.3	34.9
Chile	--	--	--	--	--	--	--	--	1.9	91.6	2.0	3.6	--	--	232.9	121.6	51.0
Guatemala	--	--	--	6.1	5.6	--	72.3	9.5	33.4	3.5	16.8	--	--	--	23.1	67.0	--
Venezuela	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.9	--	--
Others	2.5	2.4	21.3	0	79.0	316.1	906.4	476.6	59.5	9.1	16.2	59.4	252.1	109.5	32.4	7.2	--
World	1,215.9	1,252.5	2,550.1	607.2	2,370.5	2,442.4	13,054.6	4,125.1	2,956.0	2,918.2	3,149.3	5,525.4	8,432.5	5,184.6	3,793.2	6,640.2	5,544.3

-- = No quantities imported.

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

Table 65--U.S. cabbage imports from selected countries: Sauerkraut, prepared or preserved, 1989-94

Trade partner	1989	1990	1991	1992	1993	1994
<i>1,000 pounds</i>						
Germany, West	1,095.1	637.7	567.8	709.9	949.9	1,174.7
Poland	447.8	661.3	254.5	305.5	1,102.7	5,251.0
Belgium	10.6	25.8	2.2	37.5	11.5	19.1
Canada	1,626.2	538.6	46.7	11.8	7.7	13.5
Hungary	--	69.3	--	10.2	13.2	--
Norway	1.3	4.9	5.5	7.6	6.9	2.7
Others	1,063.2	14.6	10.1	6.4	12.9	8.0
World	4,244.3	1,952.3	886.7	1,088.9	2,104.8	6,469.0
<i>\$1,000</i>						
Germany, West	382.7	276.3	240.3	332.6	433.2	524.4
Poland	83.8	126.4	53.6	83.5	301.0	955.2
Belgium	5.0	13.4	1.4	26.3	6.5	10.6
Canada	253.8	74.8	15.2	4.8	6.0	7.8
Hungary	--	11.9	--	4.1	3.6	--
Norway	1.6	2.7	3.9	5.3	4.2	1.3
Others	153.5	10.2	5.4	5.2	6.1	5.7
World	880.5	515.7	319.8	461.7	760.6	1,504.9

-- = No quantities imported.

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

Table 66--U.S. cabbage imports from selected countries: Prepared or preserved, excluding saurkraut, 1978-88 1/

Trade partner	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	<i>1,000 pounds</i>										
Germany, West	71.4	100.7	68.2	78.2	136.6	151.3	313.8	356.3	305.0	261.7	297.8
Guatemala	--	--	--	--	--	--	--	64.4	194.5	291.5	146.2
Belgium	--	--	--	--	1.8	2.0	24.4	63.9	52.4	165.2	58.8
Taiwan	18.9	5.1	18.2	14.4	34.7	27.3	11.9	34.0	47.0	41.5	54.6
China	20.6	21.8	6.0	22.3	81.0	25.0	67.3	18.8	61.1	45.0	38.7
Poland	--	32.0	39.3	25.4	16.0	38.8	14.9	14.9	7.6	14.8	29.9
Others	16.2	68.4	46.4	45.3	141.8	19.8	71.0	196.2	163.3	194.6	70.5
World	127.1	228.0	178.0	185.7	411.9	264.2	503.4	748.4	831.0	1,014.3	696.4
	<i>\$1,000</i>										
Germany, West	33.2	57.8	38.6	42.8	51.5	63.9	102.8	118.5	126.9	133.3	140.4
Guatemala	--	--	--	--	--	--	--	29.0	29.1	31.0	32.2
Belgium	--	--	--	--	0.7	1.9	9.1	21.7	24.1	92.7	29.8
Taiwan	10.4	2.8	11.7	8.5	26.3	19.4	7.1	12.3	37.1	23.2	38.8
China	10.9	8.7	3.5	10.6	35.1	10.2	39.4	9.9	26.8	23.6	27.9
Poland	--	7.5	9.7	6.5	4.1	10.3	4.0	3.9	1.9	4.8	8.9
Others	9.3	30.9	24.5	28.5	10.8	11.7	27.8	31.1	72.5	66.5	40.9
World	63.9	107.6	88.1	96.9	162.3	117.4	190.3	226.4	318.4	375.1	319.0

-- = No quantities imported.

1/ Not reported separately after 1988.

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

Table 67--U.S. cabbage imports from selected countries: Seed, 1978-88 1/

Trade partner	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
<i>1,000 pounds</i>											
Netherlands	2.1	4.2	2.8	2.0	1.3	2.3	3.9	5.0	5.6	8.4	30.4
Japan	12.5	26.4	12.1	10.1	10.9	20.9	17.2	12.3	6.7	13.7	10.7
Taiwan	0.0	0.0	0.0	0.0	0.0	0.0	--	1.2	2.5	0.5	6.0
South Korea	0.1	--	--	0.5	--	0.3	0.3	0.6	1.0	1.4	3.9
China	--	0.1	0.7	0.4	1.0	0.5	0.4	4.3	0.6	--	1.7
Australia	--	--	0.7	--	--	--	--	0.2	1.9	1.5	1.5
Others	1.4	2.8	1.8	6.3	3.7	0.4	13.6	5.0	10.3	4.8	1.5
World	16.1	33.4	18.1	19.3	16.9	24.4	35.4	28.5	28.5	30.3	55.7
<i>\$1,000</i>											
Netherlands	7.8	50.1	110.2	58.2	119.0	140.7	170.3	405.4	163.9	652.0	729.4
Japan	349.7	765.7	390.8	373.9	527.2	822.6	771.3	530.2	249.7	508.1	426.3
Taiwan	4.2	2.0	60.6	54.6	27.2	64.4	--	1.8	62.7	1.2	6.5
South Korea	1.8	--	--	9.3	--	5.0	5.8	14.3	22.4	22.3	34.5
China	--	0.5	1.9	1.1	2.8	2.8	1.4	10.3	2.1	--	6.7
Australia	--	--	0.7	--	--	--	--	5.1	49.6	44.9	45.9
Others	6.5	12.2	15.5	26.7	13.9	4.0	18.0	16.9	338.0	12.0	42.4
World	370.0	830.6	579.7	523.9	690.2	1,039.6	966.8	984.0	888.3	1,240.6	1,291.7

-- = No quantities imported.

1/ Seed imports not reported separately after 1988.

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

Table 68--World harvested cabbage acreage by country, 1961-93 1/

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	<i>1,000 acres</i>										
China	482	482	494	494	494	511	511	519	526	539	531
U.S.S.R. (former)	815	830	828	850	808	806	823	820	833	857	870
India	52	54	57	59	62	67	74	94	111	128	146
Russia	--	--	--	--	--	--	--	--	--	--	--
Ukraine	--	--	--	--	--	--	--	--	--	--	--
United States	178	167	167	162	160	158	165	158	153	170	169
Japan	190	206	217	217	230	236	231	240	235	232	232
Indonesia	25	25	25	25	25	33	37	27	47	49	62
Poland	147	134	153	153	160	162	128	150	156	166	146
Korea, Rep.	82	86	83	90	99	100	126	130	172	183	189
Korea, DPR	41	42	42	42	42	42	43	43	44	46	47
Romania	66	65	68	64	58	66	59	63	58	58	61
Turkey	37	40	41	42	43	44	59	69	69	82	86
United Kingdom	128	124	117	105	102	101	95	116	123	121	108
Italy	114	113	113	113	110	110	111	109	103	102	89
Yugoslavia, Fed. Rep.	--	--	--	--	--	--	--	--	--	--	--
Taiwan	53	54	56	52	53	53	56	60	62	71	69
Belarus, EEP	--	--	--	--	--	--	--	--	--	--	--
Uzbekistan	--	--	--	--	--	--	--	--	--	--	--
Thailand	62	72	79	78	73	69	64	62	59	57	54
Germany	75	70	71	65	60	74	68	61	62	70	71
Egypt	24	22	23	26	25	24	23	27	29	28	29
Spain	71	74	77	76	72	72	72	74	74	63	66
Colombia	13	13	14	14	15	15	16	16	17	17	18
Latvia, Rep.	--	--	--	--	--	--	--	--	--	--	--
Kazakhstan	--	--	--	--	--	--	--	--	--	--	--
France	62	59	56	52	49	46	45	44	46	44	39
Bangladesh	14	13	14	14	14	14	14	14	15	15	15
Croatia	--	--	--	--	--	--	--	--	--	--	--
Netherlands	21	21	21	22	19	21	22	20	22	22	20
Moldova, Rep.	--	--	--	--	--	--	--	--	--	--	--
Portugal	10	11	12	13	14	15	15	16	17	17	18
Philippines	14	12	12	12	10	11	11	11	14	15	17
Nicaragua	8	8	8	9	9	10	11	11	12	12	13
Greece	16	16	17	17	18	17	18	19	19	20	18
South Africa	6	6	6	6	6	7	7	7	7	7	7
Hungary	33	34	36	30	31	37	29	33	36	33	34
Mexico	4	4	4	4	4	4	4	4	4	4	4
Bosnia-Herzegovina	--	--	--	--	--	--	--	--	--	--	--
Canada	7	6	7	7	7	7	7	8	8	8	8
Azerbaijan	--	--	--	--	--	--	--	--	--	--	--
Others	249	256	256	257	258	274	272	273	273	260	263
World	3,100	3,120	3,174	3,174	3,130	3,207	3,218	3,298	3,407	3,496	3,499

Refer to footnotes at end of table.

--Continued

Table 68--World harvested cabbage acreage by country, 1961-93 1/--Continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	<i>1,000 acres</i>										
China	541	544	544	561	558	571	583	605	618	642	657
U.S.S.R. (former)	904	929	944	951	902	912	993	961	1,030	1,008	1,018
India	163	180	198	215	232	250	267	284	299	316	331
Russia	--	--	--	--	--	--	--	--	--	--	--
Ukraine	--	--	--	--	--	--	--	210	225	217	222
United States	170	184	162	159	157	169	171	169	177	177	173
Japan	228	216	210	206	205	203	201	197	200	201	197
Indonesia	61	48	46	59	58	60	70	68	68	99	71
Poland	117	151	155	168	162	119	153	145	149	156	145
Korea, Rep.	163	170	174	99	114	118	128	127	124	126	132
Korea, DPR	48	49	52	54	56	56	57	58	59	62	64
Romania	57	59	60	54	61	57	56	56	75	67	76
Turkey	86	84	89	89	89	79	89	86	84	84	86
United Kingdom	100	91	95	94	95	105	95	90	86	64	64
Italy	84	79	77	75	72	71	70	67	66	66	65
Yugoslavia, Fed. Rep.	--	--	--	--	--	--	--	--	--	--	--
Taiwan	65	62	69	78	77	77	79	83	83	82	81
Belarus, EEP	--	--	--	--	--	--	--	--	--	--	--
Uzbekistan	--	--	--	--	--	--	--	--	--	--	--
Thailand	54	44	51	57	48	46	53	44	47	50	50
Germany	69	66	63	59	62	68	65	64	61	64	64
Egypt	31	32	34	35	35	36	36	37	37	38	38
Spain	60	54	58	56	57	55	56	55	54	55	54
Colombia	18	18	19	20	28	30	32	32	33	34	30
Latvia, Rep.	--	--	--	--	--	--	--	--	--	--	--
Kazakhstan	--	--	--	--	--	--	--	--	--	--	--
France	31	30	28	29	29	31	33	32	28	28	27
Bangladesh	13	12	12	14	15	14	14	15	16	17	17
Croatia	--	--	--	--	--	--	--	--	--	--	--
Netherlands	18	21	22	21	21	23	23	21	22	25	25
Moldova, Rep.	--	--	--	--	--	--	--	--	--	--	--
Portugal	18	19	20	20	20	20	20	20	20	20	20
Philippines	18	17	19	20	20	22	23	19	19	17	16
Nicaragua	13	13	14	14	14	15	15	16	16	16	16
Greece	18	18	18	18	19	18	19	19	19	20	20
South Africa	7	8	8	9	9	9	10	10	12	15	15
Hungary	34	31	30	28	32	35	30	26	29	23	23
Mexico	4	4	4	4	6	6	6	8	8	8	8
Bosnia-Herzegovina	--	--	--	--	--	--	--	--	--	--	--
Canada	9	10	10	11	11	10	12	12	13	14	15
Azerbaijan	--	--	--	--	--	--	--	--	--	--	--
Others	270	266	285	291	297	302	300	297	298	318	320
World	3,473	3,511	3,567	3,565	3,560	3,585	3,760	3,727	3,851	3,910	3,920

Refer to footnotes at end of table.

--Continued

Table 68--World harvested cabbage acreage by country, 1961-93 1/--Continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	<i>1,000 acres</i>										
China	667	692	729	741	746	766	778	815	865	914	964
U.S.S.R. (former)	1,013	1,023	976	1,025	1,196	1,038	1,043	914	939	--	--
India	348	366	366	383	383	396	409	415	441	469	494
Russia	--	--	--	--	--	--	--	440	445	482	445
Ukraine	213	227	222	232	227	225	229	212	212	228	193
United States	173	173	173	173	173	173	173	173	173	193	188
Japan	194	193	189	186	181	177	176	171	170	169	169
Indonesia	92	106	107	198	224	107	118	129	130	143	143
Poland	137	145	132	133	132	129	129	129	136	129	137
Korea, Rep.	109	124	111	129	103	110	113	127	118	121	116
Korea, DPR	67	69	72	79	84	89	94	99	104	104	104
Romania	70	68	52	60	59	66	56	67	69	82	88
Turkey	81	84	86	82	72	69	65	71	73	76	76
United Kingdom	57	81	55	92	90	85	81	76	76	71	72
Italy	70	69	66	64	64	66	65	65	61	63	61
Yugoslavia, Fed. Rep.	--	--	--	--	76	56	66	54	54	39	58
Taiwan	77	80	75	74	72	66	63	57	58	56	51
Belarus, EEP	--	--	--	--	--	--	--	30	41	47	49
Uzbekistan	--	--	--	--	--	42	42	49	52	57	49
Thailand	48	48	44	44	43	43	43	43	43	43	43
Germany	62	67	70	65	62	65	62	43	36	37	41
Egypt	39	36	38	39	37	40	34	34	37	39	39
Spain	53	52	54	51	52	45	42	40	40	39	34
Colombia	30	31	31	32	32	32	32	32	32	32	32
Latvia, Rep.	--	--	--	--	--	7	7	15	17	31	31
Kazakhstan	--	--	--	--	--	28	30	25	30	35	30
France	27	27	28	27	27	27	22	24	24	25	25
Bangladesh	18	18	19	18	18	18	19	20	20	21	22
Croatia	--	--	--	--	27	27	26	25	26	19	21
Netherlands	23	23	24	24	23	23	20	19	21	23	21
Moldova, Rep.	--	--	--	--	--	20	19	17	20	18	20
Portugal	21	22	22	22	20	20	20	20	20	20	20
Philippines	15	15	15	16	16	16	17	16	17	19	19
Nicaragua	17	17	17	17	17	18	18	18	18	19	19
Greece	21	21	21	20	21	21	22	20	18	19	19
South Africa	15	15	15	15	15	15	15	15	15	16	16
Hungary	27	26	21	23	43	28	50	41	13	16	16
Mexico	9	12	9	12	12	13	13	14	14	14	15
Bosnia-Herzegovina	--	--	--	--	27	27	35	27	30	20	15
Canada	12	14	13	12	12	15	15	14	12	12	13
Azerbaijan	--	--	--	--	--	--	--	20	11	11	12
Others	315	330	346	350	220	215	214	191	204	285	287
World	3,907	4,047	3,972	4,205	4,379	4,102	4,147	4,038	4,116	4,255	4,266

-- = Not available.

1/ Top 40 countries in harvested cabbage acreage in 1993, and former U.S.S.R.

Source: Converted from data provided by the Food and Agriculture Organization of the United Nations.

Table 69--World cabbage production by country, 1961-93 1/

Country	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	<i>Million pounds</i>										
China	3,307	3,527	3,748	3,968	4,189	4,409	4,630	5,071	5,291	5,512	5,952
U.S.S.R. (former)	12,846	12,337	11,689	15,020	13,600	13,779	15,845	14,670	14,465	15,583	16,028
Russia	--	--	--	--	--	--	--	--	--	--	--
India	635	650	672	694	717	772	882	1,102	1,323	1,543	1,764
Japan	3,723	4,670	5,645	5,104	5,971	6,412	6,515	7,459	7,396	7,042	7,133
Korea, Rep.	898	996	848	1,032	1,119	1,216	1,417	1,628	1,865	1,868	2,281
Poland	3,301	3,000	3,470	3,235	3,888	3,980	3,205	2,732	3,050	3,643	2,956
United States	2,714	2,590	2,623	2,474	2,588	2,488	2,804	2,737	2,568	3,304	3,244
Ukraine	--	--	--	--	--	--	--	--	--	--	--
Indonesia	220	265	243	254	265	287	309	208	474	507	573
Romania	1,052	880	997	1,073	825	1,305	1,098	1,379	1,044	1,067	1,459
Korea, DPR	397	397	408	419	419	419	425	434	441	452	518
Germany	1,918	1,723	1,770	1,626	1,554	2,138	2,043	1,716	1,627	2,067	1,937
United Kingdom	1,720	1,550	1,944	1,620	1,756	1,830	1,796	1,850	2,079	2,114	1,929
Uzbekistan	--	--	--	--	--	--	--	--	--	--	--
Turkey	595	606	628	650	671	679	882	1,044	1,058	1,235	1,299
Egypt	524	495	505	580	535	539	450	558	569	615	608
Italy	1,787	1,506	1,809	1,866	1,747	1,748	1,798	1,773	1,849	1,809	1,642
Belarus, EEP	--	--	--	--	--	--	--	--	--	--	--
Taiwan	505	502	526	497	522	486	542	654	761	853	874
Spain	1,750	1,789	1,855	1,792	1,679	1,670	1,650	1,698	1,686	1,490	1,570
Colombia	220	265	309	353	397	441	463	494	514	534	547
Netherlands	386	346	440	495	376	437	496	387	452	552	509
Yugoslavia, Fed. Rep.	--	--	--	--	--	--	--	--	--	--	--
France	1,316	1,102	1,197	1,030	1,086	1,044	992	946	947	916	824
South Africa	148	161	179	185	209	220	238	247	243	238	238
Mexico	56	56	57	57	57	57	58	60	62	64	66
Thailand	240	296	378	369	357	381	383	383	384	384	383
Greece	135	144	199	211	211	233	227	261	279	288	275
Kazakhstan	--	--	--	--	--	--	--	--	--	--	--
Portugal	154	165	176	198	209	220	231	243	254	265	276
Slovakia	--	--	--	--	--	--	--	--	--	--	--
Canada	128	115	148	137	143	151	147	165	155	171	184
Latvia, Rep.	--	--	--	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--	--	--	1
Bulgaria	361	359	430	426	322	545	421	401	396	354	362
Vietnam	66	71	71	77	88	93	95	99	104	106	108
Hungary	328	387	478	446	555	585	423	521	531	453	473
Australia	131	141	148	148	155	171	155	163	154	151	167
Moldova, Rep.	--	--	--	--	--	--	--	--	--	--	--
Philippines	68	72	72	89	70	71	76	68	79	100	112
Others	3,601	3,441	3,611	3,748	3,522	4,056	3,933	3,911	3,908	4,065	3,914
World	45,230	44,604	47,272	49,873	49,802	52,862	54,629	55,059	56,003	59,344	60,205

Refer to footnotes at end of table.

--Continued

Table 69--World cabbage production by country, 1961-93 1/--Continued

Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	<i>Million pounds</i>										
China	6,614	7,055	7,716	8,378	9,039	9,921	10,582	11,023	11,464	12,125	12,787
U.S.S.R. (former)	15,399	20,653	19,842	18,750	19,983	17,446	22,354	18,984	21,074	19,118	23,804
Russia	--	--	--	--	--	--	--	--	--	--	--
India	1,984	2,205	2,425	2,646	2,866	3,086	3,307	3,527	3,748	3,968	4,189
Japan	7,195	7,004	6,960	6,706	6,914	7,220	7,134	6,517	6,969	7,189	7,194
Korea, Rep.	1,916	1,812	2,096	5,024	6,935	6,167	8,880	7,786	6,862	7,751	7,993
Poland	2,862	3,325	3,297	3,446	3,208	3,234	4,060	3,298	2,983	3,590	2,690
United States	3,090	3,282	2,993	2,963	2,864	3,035	3,077	3,120	3,051	3,300	3,086
Ukraine	--	--	--	--	--	--	--	3,677	5,397	3,750	5,165
Indonesia	551	494	461	567	583	584	762	728	712	769	701
Romania	1,345	1,343	1,512	1,147	1,996	1,514	1,916	1,784	1,832	1,896	2,647
Korea, DPR	573	683	794	1,235	1,323	1,279	1,521	1,433	1,389	1,543	1,631
Germany	1,955	2,133	2,032	1,696	1,724	2,187	2,039	1,986	1,613	2,071	2,069
United Kingdom	1,846	1,643	1,816	1,616	1,389	2,225	1,774	1,830	1,796	1,640	1,836
Uzbekistan	--	--	--	--	--	--	--	--	--	--	--
Turkey	1,318	1,281	1,334	1,345	1,323	1,190	1,157	1,292	1,252	1,246	1,345
Egypt	613	624	659	708	726	749	767	793	777	825	857
Italy	1,562	1,435	1,376	1,378	1,322	1,291	1,302	1,176	1,117	1,127	1,120
Belarus, BEE	--	--	--	--	--	--	--	--	--	--	--
Taiwan	813	823	866	978	1,017	1,045	1,129	1,186	1,182	1,145	1,167
Spain	1,383	1,219	1,286	1,203	1,199	1,215	1,242	1,237	1,230	1,234	1,223
Colombia	562	580	595	630	949	921	974	990	1,003	1,019	678
Netherlands	508	501	522	513	590	591	485	558	564	642	654
Yugoslavia, Fed. Rep.	--	--	--	--	--	--	--	--	--	--	--
France	705	684	659	611	549	716	713	696	590	597	596
South Africa	291	331	300	324	353	375	419	390	496	547	549
Mexico	64	62	62	60	130	122	114	147	140	163	182
Thailand	397	353	353	399	313	298	298	229	328	355	334
Greece	278	299	292	282	316	286	304	339	338	373	381
Kazakhstan	--	--	--	--	--	--	--	--	--	--	--
Portugal	276	287	298	309	320	309	309	320	309	320	309
Slovakia	--	--	--	--	--	--	--	--	--	--	--
Canada	165	193	190	212	234	259	296	290	283	319	366
Latvia, Rep.	--	--	--	--	--	--	--	--	--	--	--
United Arab Emirates	--	1	23	16	12	8	13	18	11	20	23
Bulgaria	338	323	375	386	396	369	327	349	365	312	339
Vietnam	110	112	115	117	121	126	132	139	143	148	152
Hungary	498	479	479	434	472	534	479	324	423	344	344
Australia	156	155	187	162	163	179	294	178	172	166	166
Moldova, Rep.	--	--	--	--	--	--	--	--	--	--	--
Philippines	109	102	108	117	120	150	161	120	142	149	147
Others	4,143	4,079	4,251	4,341	4,525	4,694	4,630	4,690	3,154	5,193	3,757
World	59,619	65,551	66,272	68,698	73,972	73,327	82,951	77,474	79,230	81,280	86,802

Refer to footnotes at end of table.

--Continued

Table 69--World cabbage production by country, 1961-93 1/--Continued

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<i>Million pounds</i>											
China	12,566	13,007	13,448	13,889	14,330	14,991	15,609	17,170	18,885	19,842	20,503
U.S.S.R. (former)	23,290	24,471	22,046	21,605	21,054	21,385	20,944	19,745	19,529	--	--
Russia	--	--	--	--	--	--	--	10,207	10,340	10,679	10,520
India	4,409	4,630	4,630	4,850	4,850	5,097	5,162	5,233	6,165	6,614	7,055
Japan	6,779	6,973	6,762	7,011	6,753	6,338	6,519	6,094	6,004	6,213	6,063
Korea, Rep.	6,737	7,621	6,439	7,828	5,747	5,812	6,481	7,755	6,460	5,959	5,732
Poland	2,694	4,591	3,461	3,930	3,953	3,471	3,564	3,856	4,074	2,834	4,309
United States	3,086	3,086	3,086	3,086	3,086	3,086	3,086	3,086	3,086	3,657	3,606
Ukraine	3,459	5,132	4,306	4,180	4,352	4,050	4,641	4,168	2,864	2,691	2,806
Indonesia	910	1,334	1,516	2,093	2,157	1,700	2,042	2,363	2,149	2,205	2,315
Romania	2,431	3,266	2,493	1,995	1,799	2,009	1,934	1,217	1,359	1,491	1,883
Korea, DPR	1,587	1,764	1,720	1,874	1,764	1,764	1,874	2,205	1,874	1,874	1,874
Germany	1,686	2,179	2,370	2,219	1,925	2,172	2,077	1,457	1,497	1,575	1,800
United Kingdom	1,483	1,851	1,505	1,923	1,881	2,003	1,866	1,689	1,702	1,704	1,739
Uzbekistan	--	--	--	--	--	1,704	1,596	1,755	2,302	2,158	1,700
Turkey	1,385	1,455	1,590	1,565	1,444	1,444	1,411	1,541	1,508	1,548	1,537
Egypt	847	825	864	913	950	1,014	764	839	935	962	976
Italy	1,133	1,041	1,054	1,088	1,103	1,087	1,073	1,084	1,089	1,095	950
Belarus, EEP	--	--	--	--	--	--	--	661	1,030	739	935
Taiwan	1,069	1,182	1,124	1,113	1,123	1,037	978	887	905	898	848
Spain	1,138	1,159	1,205	1,115	1,123	1,034	970	936	905	886	784
Colombia	720	716	732	739	739	739	739	772	772	772	772
Netherlands	544	551	597	734	575	606	635	672	679	644	683
Yugoslavia, Fed. Rep.	--	--	--	--	715	722	761	634	758	499	612
France	563	563	569	633	615	605	514	503	511	542	561
South Africa	536	547	578	573	540	531	467	485	487	502	519
Mexico	217	323	241	295	309	353	425	387	398	488	485
Thailand	377	376	418	419	421	423	425	428	425	428	430
Greece	388	384	368	362	411	399	419	410	413	424	397
Kazakhstan	--	--	--	--	--	717	661	551	494	496	379
Portugal	348	359	359	359	324	309	320	320	320	320	320
Slovakia	--	--	--	--	345	321	288	260	272	157	309
Canada	310	366	358	318	340	310	343	348	262	284	298
Latvia, Rep.	--	--	--	--	--	--	--	220	287	331	295
United Arab Emirates	58	41	46	25	39	28	76	91	120	165	247
Bulgaria	322	315	224	264	258	277	339	253	235	225	225
Vietnam	157	165	176	198	190	198	205	209	212	216	220
Hungary	383	426	360	343	377	342	337	307	299	234	220
Australia	177	173	172	183	177	208	185	181	188	167	194
Moldova, Rep.	--	--	--	--	--	254	238	249	185	154	191
Philippines	139	137	146	152	157	155	167	151	167	183	190
Others	4,906	5,551	5,004	4,988	3,845	3,728	3,786	3,698	3,730	4,627	4,571
World	83,377	91,428	85,662	88,681	85,420	85,699	86,783	87,263	88,374	87,480	90,053

1/ Top 40 countries in cabbage production in 1993, and former U.S.S.R.

Source: Converted from data provided by the Food and Agriculture Organization of the United Nations.

Table 70--Estimated cabbage production costs: Hastings, Florida, 1990-91

Yield: 425 50-lb. crates.

Item	Average per acre	
	Acre	Carton
	<i>Dollars</i>	
Operating costs:		
Transplants	180.00	
Fertilizer and lime	143.70	
Fungicide	22.00	
Herbicide	26.65	
Insecticide	194.15	
Labor	104.01	
Machinery	156.34	
Interest	52.88	
Miscellaneous--		
Aerial spraying	12.10	
Set transplants	99.00	
Cover crop seed	5.28	
Total operating costs	996.11	
Fixed cost:		
Land rent	100.00	
Machinery	61.48	
Overhead	110.47	
Total fixed cost	271.95	
		<i>Dollars</i>
Total preharvest cost	1,268.06	2.98
Harvest and marketing costs:		
Cut and pack	297.50	.70
Haul	127.50	.30
Containers	552.50	1.30
Selling	170.00	.40
Total harvest and marketing cost	1,147.50	1.30
Total cost	2,415.56	4.28

Yield	Estimated net return (per acre)				
	Price/crate				
	4.00	4.50	5.00	5.50	6.00
<i>Crates/acre</i>	<i>Dollars</i>				
375	-781	-593	-406	-218	-31
400	-748	-548	-348	-148	52
425	-716	-503	-291	-78	134
450	-638	-458	-233	-8	217
475	-651	-413	-176	62	299

Source: Food and Resource Economics Department, IFAS, University of Florida, Gainesville.

Table 71--Projected cost of cabbage (Headstart variety) production: Imperial County, California, 1989-90

Yield: 500 50-lb. cartons. Growing period: 100-120 days.

Operation	Custom rate	Materials		Hand labor		Costs per acre
		Type	Cost	Hours	Dollars	
Land preparation:						
Stubble disc	18.25					18.25
Subsoil	29.25					29.25
Disc 1x	9.50					9.50
Landplane 2x	10.00					20.00
Border, cross check and break border	15.00					15.00
Flood		Water 1/2 ac./ft.	5.50	1	5.75	11.25
Fertilize	6.00	450# 11-52-0	61.00			67.00
Disc 2x	9.50					19.00
Triplane 1x	8.75					8.75
List	11.50					11.50
Total land preparation						209.50
Growing period:						
Precision plant	14.50	Seed @ 3" spacing	150.00			164.50
Spray herbicide	8.00	Herbicide	33.75			41.75
Sprinkler irrigate						135.00
Thin				10	57.50	57.50
Cultivate 3x	9.75					29.25
Fertilize and furrow out 2x	10.50	120# N @ .31	37.20			58.20
Water-run fertilizer		60# N @ .31	18.60			18.60
Hand weed 1x				12	69.00	69.00
Irrigate 6x		Water 3 1/2 ac./ft.	38.50	7	40.25	78.75
Insect control 7x	5.00		59.50			94.50
Disease control 1x	5.00		7.00			12.00
Stubble disc 1x	18.25					18.25
Total growing period						777.30
Growing period and land preparation costs						986.80
Land rent (net acres)						200.00
Cash overhead--12 percent of preharvest costs and land rent						122.68
Total preharvest costs						1,309.48
Harvest:						
Custom harvest: cut, pack, and haul		500 cartons @	3.40 per carton			1,700.00
Total all costs						3,009.48

Yield	Estimated net return (per acre)					Breakeven (per carton)
	Price/carton					
	4.00	5.00	6.00	7.00	8.00	
<i>Cartons/acre</i>	<i>Dollars</i>					
500	-1,009	-509	-9	491	991	6.02
600	-949	-349	251	851	1,451	5.58
700	-889	-189	511	1,211	1,911	5.27
800	-829	-29	771	1,571	2,371	5.04
900	-769	131	1,031	1,931	2,831	4.85

Source: University of California Cooperative Extension, Imperial County, California.

Table 72--Projected cost of irrigated cabbage production: South Texas District, 1993

Yield: 600-50 lb. bags.

Cost description	Units	Units per acre	Cost per unit <i>Dollars</i>	Cost per acre <i>Dollars</i>
Preharvest costs:				
Phosphate	<i>Pounds</i>	80	0.29	23.20
Herbicide	<i>Applications</i>	1	41.55	41.55
Seed	<i>Pounds</i>	1	75.00	75.00
Nitrogen (liquid)	<i>Pounds</i>	200	0.63	126.00
Irrigation	<i>Units</i>	42	1.33	55.99
Insecticide	<i>Applications</i>	7	8.00	56.00
Pesticide	<i>Applications</i>	7	4.50	31.50
Fungicide	<i>Applications</i>	6	6.00	36.00
Fuel and lube (machinery)	<i>Per acre</i>	1	13.22	13.22
Repairs (machinery)	<i>Per acre</i>	1	4.71	4.71
Labor				
Machinery operation	<i>Hour</i>	4.89	6.81	33.28
Irrigation	<i>Hour</i>	10.50	5.70	59.83
Other	<i>Hour</i>	24	5.70	136.76
Total preharvest costs				693.04
Harvest costs:				
Harvesting	<i>Bags</i>	600	1.00	600.00
Marketing	<i>Bags</i>	600	0.40	240.00
Pack and count	<i>Bags</i>	600	1.75	1,050.00
Labor	<i>Hour</i>	6	4.50	27.00
Total harvest costs				1,917.00
Interest owed:	<i>Dollar</i>	177.53	0.12	21.30
Total variable cost:				2,631.35
Break-even price at total variable cost:		4.39 per bag		
Gross income - variable cost				908.65
Fixed costs:				
Machinery and equipment	<i>Per acre</i>			114.36
Land	<i>Per acre</i>			75.00
Total fixed costs				189.36
Total all costs				2,820.71
Break-even price at total cost:		4.70 per bag		
Projected net returns				719.29

Source: Texas Agricultural Extension Service, Texas A&M University System.

SUMMARY OF REPORT #SB-914

Record-High Strawberry Output in 1993; Good Crop Expected in 1994

December 1994

Contact: Diane Bertelsen, 219-219-0887

The U.S. strawberry crop was a record-large 1.4 billion pounds in 1993, up 8 percent from the 1992 crop and 14 percent above the 1988-92 average. Another large crop is anticipated in 1994, continuing the growth trend that began in the 1970's. *The U.S. Strawberry Industry*, a new report from USDA's Economic Research Service, describes the U.S. strawberry industry from 1970 to 1993, and emphasizes changes since the early 1970's that have affected the availability and prices of strawberries. The report compares the cultural practices and marketing seasons of the major producing States of California, Florida, and Oregon, but the most detail is given for California. California produced nearly 80 percent of the 1993 crop on less than half of the strawberry acreage due to higher output per acre than other States.

Americans are eating more strawberries grown in the United States, and per capita consumption has grown from 3 to 5 pounds since 1970. Strawberries were the fourth most valuable fruit produced in the United States in 1993 and, considering only fresh-market fruit, were second only to apples in value. Strawberry crop values have risen more by production gains than by higher prices. Grower and retail prices for fresh strawberries usually follow strong seasonal patterns and are below average in April, May, and June. Retail prices for fresh strawberries have kept pace with inflation since 1980, while grower prices have not.

U.S. strawberry acreage in 1993 was only slightly more than in 1970, but nearly three times as many berries per acre were produced in 1993. More acreage in California, where per acre yields are relatively high, and improved yields in other States raised the U.S. average strawberry yield from 9,800 pounds per harvested acre in 1970 to 27,600 pounds in 1993. California's share of U.S. strawberry production rose from less than 60 percent in the early 1970's to nearly 80 percent in the 1990's, while Florida's share increased from 4 percent to 10 percent. In contrast, Oregon's share of production fell from 14 percent to 5 percent.

California has a longer growing season than other States, and strawberries can be picked nearly every month. The strawberry growing area extends about 500 miles, from San Diego to San Francisco. The increase in California's per acre strawberry yields resulted from the adoption of an annual planting system that uses soil fumigation to eradicate pests and the development of new strawberry varieties better suited to both the system and California growing conditions.

Data from the 1987 Census of Agriculture (the latest census data available) indicated that California strawberry growers were more specialized than Florida or Oregon growers. Only 22 percent of California strawberry growers also produced vegetables and melons, compared with 50-55 percent of Oregon and Florida growers. California and Oregon had both large and small strawberry-producing operations: 37 and 38 percent with crop sales of \$100,000 or more and about 25 percent each with sales of \$10,000 or less. About half of Florida strawberry growers reported crop sales of \$100,000 or more and only 12 percent sales of \$10,000 or less.

To Order This Report...

The information presented here is excerpted from *The U.S. Strawberry Industry*, SB 91-1, by Diane Bertelsen. The cost is \$9.00.

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SUMMARY OF REPORT #AIB-701

Government Programs Raise Both Costs and Returns for Corn Growers

June 1994

Contact: William D. McBride, (202) 219-0801

Gross value of production, production costs, and net returns for corn are all higher when Government programs are taken into account in cost and return estimates. A new report, *Effects of Government Programs on Corn Costs and Returns, 1991 and 1992*, just released from USDA's Economic Research Service, examines the extent to which Government programs enhanced the profitability of corn production in 1991 and 1992. It also identifies factors that most influenced corn costs and returns.

Including Government programs in cost and return estimates raised net returns after cash expenses by \$24 per planted acre in 1991. Greater yields and higher deficiency payments in 1992 added nearly \$44 to net cash returns. North Central and Plains corn growers are most affected by Government programs since they participate to a much greater extent in the programs than growers in the Southeast and Northeast. Producer participation and annual price and yield conditions have the greatest influence on the extent to which Government programs enhance returns to corn production.

To receive Government payments under any of the commodity income programs, producers must put some of their land into conserving-use acres and maintain those "set-aside" acres in specific ways. Farmers incur costs to meet these program requirements. Since 1973, Congress has required USDA to estimate costs and returns for major crops and dairy. Costs and returns that include the direct effects of Government programs can be used to gauge the profitability of competing and alternative commodities. On the other hand, the direct effects of Government programs are excluded when costs and returns estimates are used to officially establish support levels.

USDA cost and return estimates have traditionally been used to inform policymakers about costs and returns without including the direct effects of Government programs. Cost and return estimates have deliberately excluded the direct effects of farm programs to avoid the escalating effect program benefits would have on production and program costs. For example, the cost of land is determined by the ability of land to generate in-

come. Because programs generate income for those who control land, programs increase the cost of land. Farm price and income supports established according to the higher costs would rise. As the cycle repeats, production and program costs would continually escalate. However, not all the effects of programs can be removed from cost and return estimates. Indirect effects result from the influence farm programs have on markets for production inputs, on the market value of commodities, and on producer behavior.

If enterprise cost and return estimates are to be used to examine the profitability of producing individual commodities, the direct effects of government programs must be included. Comparative analysis of net returns for competing and alternative crops and the financial position of producers of these commodities required consideration of Government program effects. These effects are more critical for some commodities than others due to variations in program support levels and producer participation.

To Order These Reports...

This information is excerpted from *Effects of Government Programs on Corn Costs and Returns, 1991 and 1992*, AIB-701, by William D. McBride. Similar reports on other commodities have also been published: *Effects of Government Programs on Rice Production Costs and Returns, 1988*, AIB-597, by Michael Salassi, Mary Ahearn, Mir Ali, and Robert Dismukes, and *Effects of Government Programs on Sorghum Costs and Returns, 1990*, AIB-689, by Nora L. Brooks. The cost is \$7.50 per report.

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