
CAPACITY OF REFRIGERATED WAREHOUSES, 1981

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CAPACITY OF REFRIGERATED WAREHOUSES IN THE UNITED STATES
OCTOBER 1, 1981

Refrigerated storage capacity in the United States totaled 1.92 billion gross cubic feet on October 1, 1981, according to the Crop Reporting Board. This was the 31st biennial survey of refrigerated warehouses.

Gross freezer space represented 59 percent of the Nation's refrigerated capacity. The five States with the largest gross warehouse capacity were Washington with 310 million cubic feet; California, 228 million; Florida, 156 million; Oregon, 105 million; and New York, 92 million.

Usable refrigerated space for all warehouses was 76.1 percent of gross space in 1981 and compares with 75.4 percent in 1979. Total usable cooler space was 77.7 percent of the gross, and freezer space was 74.9 percent.

Public General Storage: Public warehouse capacity amounted to 956 million gross cubic feet in 1981, accounting for 50 percent of the national capacity. Public general storage capacity has increased by 47 percent since 1965.

Usable public general refrigerated space was 74.7 percent of gross space and compares with 74.0 for 1979.

Private and Semiprivate General Storage: Private and semiprivate general warehouse capacity amounted to 540 million cubic feet or 28 percent of the total gross space. Private and semiprivate general storage capacity has nearly doubled since 1965.

Usable refrigerated space was 75.3 percent of gross space in 1981 and 74.2 percent in 1979.

Apple and Pear Storage: Space used exclusively for the storage of apples and pears totaled 429 million cubic feet, 22 percent of the national total. This was a net gain of 41.2 million cubic feet since 1979, and 175 million since 1965. Controlled atmosphere (CA) capacity totaled 63.8 million bushels, up 8.40 million from 1979. Washington, New York, and Michigan combined had 83 percent of the total.

Refrigerated Capacity in Metropolitan Areas: Sixty-two metropolitan areas accounted for over one-half of the total U.S. gross warehouse space. The 1120 warehouses in these cities and surrounding counties, having 3 or more warehouses with a total of at least 3 million cubic feet of usable piling space, had a gross capacity of 1,013 million cubic feet. Yakima, Washington led the country with 102.1 million cubic feet of gross refrigerated space; followed by Kansas City, Missouri with 54.6 million; Chicago, Illinois 47.1 million; Los Angeles, California 39.3 million; and Tampa/St. Petersburg, Florida 33.4 million.

DEFINITIONS

Refrigerated warehouse: Facilities artificially cooled to 50° F. or lower, where food is normally stored for 30 days or more. This report does not include warehouses operated by wholesale distributors, grocery chains, or other businesses that store food products less than 30 days. Locker plants and refrigerated space operated by the Armed Services are excluded.

General storages: Includes refrigerated facilities classified as general storages, plus facilities classified as storing only cheese, meats, or citrus concentrates.

Public general storages: Refrigerated facilities maintained for storing food for others at specified rates per unit.

Private and semiprivate general storages: Refrigerated facilities maintained by an operator to facilitate his principal function as a producer, processor, or manufacturer of food products. The space is used primarily for the storage of the owner's products, although in some instances it may be used by others at specified rates per unit stored. Working space, chill rooms, and curing rooms in meat storages are not included in the storage statistics.

Apple and pear storages: Refrigerated facilities maintained exclusively for storing apples or pears. Storages operated by cooperatives for use by members are included as private storages.

Cooler space: Space that maintains temperatures between 0° and 50° F.

Freezer space: Space that maintains temperatures at 0° F. and lower.

Controlled atmosphere (CA) space: Sealed cooler space in which the oxygen and carbon dioxide content is controlled to extend the storage life of apples or pears.

Gross space: Total area under refrigeration, measured from wall to wall and from floor to ceiling.

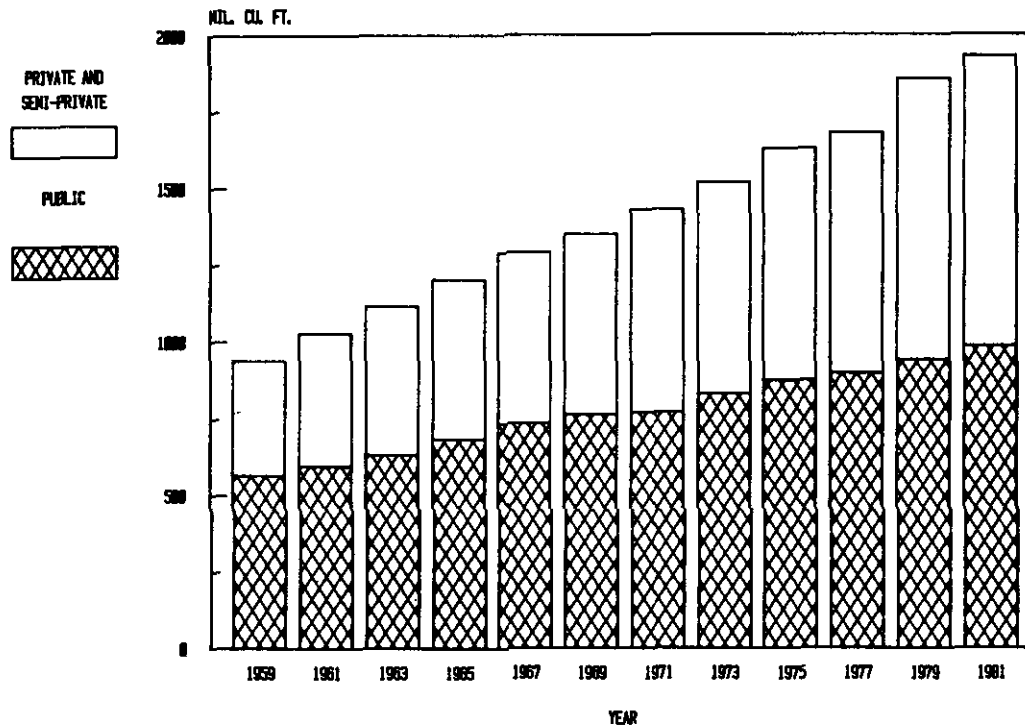
Usable space: Space usable for storing commodities, excluding aisles, posts, coils and usual clearance for air movement.

Number of storages: Storages at different locations are counted separately, even though operated by the same management.

Metropolitan areas: Standard metropolitan statistical areas (SMSA's) as defined by U.S. Office of Management and Budget. These usually include the county in which the named city is located, plus any adjacent counties which are economically integrated with the city.

GROSS REFRIGERATED STORAGE CAPACITY,

BY TYPE OF WAREHOUSE, UNITED STATES



GROSS REFRIGERATED STORAGE CAPACITY, BY TYPE OF WAREHOUSE,
UNITED STATES

YEAR	PUBLIC	PRIVATE AND SEMI-PRIVATE	TOTAL 1/
MIL CU FT			
1959	567	375	942
1961	595	432	1,027
1963	633	479	1,112
1965	684	519	1,203
1967	735	559	1,294
1969	762	591	1,353
1971	774	653	1,427
1973	829	686	1,515
1975	876	755	1,630
1977	894	785	1,679
1979	940	912	1,852
1981	983	942	1,925

1/ TOTALS MAY NOT ADD DUE TO ROUNDING.

TABLE 1. REFRIGERATED SPACE BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 2/

TYPE OF REFRIGERATED WAREHOUSE 1/	STORAGES	GROSS SPACE			USABLE SPACE		
		COOLER	FREEZER	TOTAL	COOLER	FREEZER	TOTAL
1,000 CU FT							
GENERAL STORAGES: PUBLIC	654	168,056	788,097	956,153	127,948	586,663	714,610
PRIVATE AND SEMIPRIVATE	932	193,807	346,185	539,992	143,421	263,098	406,519
APPLE STORAGES: PUBLIC	47	26,079	860	26,940	21,124	690	21,813
PRIVATE AND SEMIPRIVATE	1,619	392,068	9,821	401,889	313,872	7,526	321,399
TOTAL	3,252	780,010	1,144,963	1,924,973	606,365	857,976	1,464,341

1/ FOR DEFINITIONS OF TERMS USED, SEE PAGE 4.

2/ TOTALS MAY NOT ADD DUE TO ROUNDING.

TABLE 2. GROSS REFRIGERATED SPACE BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1965-81 1/

TYPE OF REFRIGERATED WAREHOUSE	1965	1967	1969	1971	1973	1975	1977	1979	1981
1,000 CU FT									
GENERAL STORAGES: PUBLIC	648,500	701,110	730,127	740,391	798,838	844,946	860,542	908,394	956,153
PRIVATE AND SEMIPRIVATE	300,925	318,580	331,804	375,767	398,217	419,828	438,110	529,483	539,992
APPLE STORAGES: PUBLIC	35,472	33,694	32,076	33,872	29,853	30,346	33,047	31,611	26,940
PRIVATE AND SEMIPRIVATE	218,493	240,721	258,739	276,947	288,260	334,944	346,833	382,977	401,889
TOTAL	1,203,390	1,294,105	1,352,746	1,426,977	1,515,168	1,630,064	1,678,532	1,852,464	1,924,973

1/ TOTALS MAY NOT ADD DUE TO ROUNDING.

TABLE 3. NUMBER OF REFRIGERATED WAREHOUSES, BY TYPE, UNITED STATES, OCTOBER 1, 1981

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
	NUMBER				
ALA	6	6			12
ALAS	1	51			52
ARIZ	5	3			8
ARK	8	6			14
CALIF	81	140	2	40	263
COLO	9	3			12
CONN	4	1		61	66
DEL	5	4	1	2	12
FLA	27	55			82
GA	22	33			55
HAW	4	1			5
IDAHO	3	14		1	18
ILL	19	14		35	68
IND	10	9	1	87	107
IOWA	26	11			37
KANS	8	1		3	12
KY	4	6		1	11
LA	8	11			19
MAINE	2	16		44	62
MO & DC	8	7		9	24
MASS	24	28		94	146
MICH	24	33	6	258	321
MINN	17	50		9	76
MISS	1	5			6
MO	17	13			30
MONT	2	1			3
NEBR	11	2			13
NEV	3				3
N H	2	2		30	34
N J	17	17		46	80
N MEX	2	2		3	7
N Y	42	78	16	178	314
N C	11	6		4	21
N DAK	1	1			2
OHIO	23	13	1	165	202
OKLA	4	6			10
OREG	16	32		45	93
PA	26	40		51	117
R I	3	1		10	14
S C	8	11		4	23
S DAK	3	3			6
TENN	11	6		1	18
TEX	33	30			63
UTAH	5	11		10	26
VT				25	25
VA	22	17	2	52	93
WASH	29	48	15	296	388
W VA	2	2	3	20	27
WIS	34	81		2	117
WYO	1	1			2
U S	654	932	47	1,619	3,252

TABLE 4. GROSS REFRIGERATED SPACE, BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 1/

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
	1,000 CU FT				
ALA	6,720	1,185			7,905
ALAS	*	*			6,582
ARIZ	4,197	932			5,130
ARK	8,675	1,453			10,129
CALIF	114,775	92,306	*	*	228,161
COLO	8,782	2,170			10,952
CONN	4,341	*		*	6,426
DEL	5,542	1,428	*	*	7,147
FLA 2/	54,548	101,467			156,016
GA	45,160	12,353			57,513
HAW	*	*			3,453
IDAHQ	*	21,956		*	34,014
ILL	45,401	8,309		2,339	56,049
IND	14,605	3,841		1,716	20,163
IOWA	36,405	6,217			42,622
KANS	34,851	*		*	35,321
KY	5,190	*		*	7,541
LA	5,403	1,668			7,070
MAINE	*	11,467		*	17,663
MD & DC	13,185	3,882		1,309	18,375
MASS	29,840	12,307		5,983	48,130
MICH	26,767	15,251	999	30,311	73,328
MINN	18,751	23,902		464	43,117
MISS	*	*			847
MO	41,340	6,406			47,746
MONT	*	*			198
NEBR	*	*			19,696
NEV	1,017				1,017
N H	*	*		2,643	4,950
N J	28,245	5,200		3,293	36,739
N MEX	*	*		48	1,346
N Y	40,842	20,320	8,235	22,200	91,597
N C	4,361	2,753		1,112	8,226
N OAK	*	*			*
OHIO	32,610	10,011	*	*	47,381
OKLA	2,738	4,882			7,620
OREG	50,256	19,026		36,078	105,361
PA	20,588	18,622		20,465	59,674
R I	1,912	*		*	2,161
S C	7,023	3,204		275	10,501
S OAK	1,621	1,089			2,710
TENN	17,330	*		*	26,245
TEX	60,104	7,905			68,009
UTAH	10,698	8,977		465	20,140
VT				3,444	3,444
VA	19,619	16,402	*	*	52,946
WASH	49,451	37,816	11,385	211,648	310,300
W VA	*	*	2,857	5,868	9,716
WIS	42,360	*		*	69,062
WYO	*	*			*
OTHER STS	40,900	55,285	3,463	47,193	9,500
U S	956,153	539,992	26,940	401,889	1,924,973

* NOT SHOWN TO AVOID DISCLOSURE OF INDIVIDUAL PLANT REPORTS. STATE DATA INCLUDED IN "OTHER STATES" AND UNITED STATES TOTALS.

1/ STATE AND US TOTALS MAY NOT ADD DUE TO ROUNDING.

2/ INCLUDES FROZEN JUICE TANK STORAGE CAPACITY.

TABLE 5. USABLE REFRIGERATED SPACE, BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 1/

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
1,000 CU FT					
ALA	5,428	926			6,354
ALAS	*	*			5,285
ARIZ	3,098	850			3,949
ARK	6,863	1,104			7,966
CALIF	85,898	67,769	*	*	170,391
COLO	5,860	1,714			7,574
CONN	2,741	*		*	4,405
DEL	3,334	1,038	*	*	4,526
FLA 2/	41,208	80,504			121,712
GA	33,603	9,189			42,792
HAW	*	*			2,162
IDAHO	*	18,325		*	28,233
ILL	29,827	5,921		1,853	37,602
IND	11,118	2,836		1,382	15,335
IOWA	28,743	3,818			32,562
KANS	25,467	*		*	25,841
KY	3,994	*		*	5,592
LA	4,582	1,277			5,859
MAINE	*	7,657		*	12,719
MD & DC	8,233	3,026		917	12,176
MASS	20,961	8,535		4,830	34,326
MICH	20,495	12,372	868	24,757	58,493
MINN	14,393	16,882		393	31,668
MISS	*	*			569
MO	29,834	4,322			34,156
MONT	*	*			160
NEBR	*	*			14,804
NEV	805				805
N H	*	*		2,088	3,214
N J	21,142	4,147		2,712	28,001
N MEX	*	*		38	1,141
N Y	29,282	14,761	6,493	18,020	68,556
N C	3,652	2,415		861	6,928
N DAK	*	*			*
OHIO	22,928	7,596	*	*	34,410
OKLA	1,981	4,120			6,102
OREG	42,818	14,191		28,134	85,143
PA	15,985	14,232		16,479	46,697
R I	1,295	*		*	1,496
S C	6,113	1,941		216	8,271
S DAK	1,228	735			1,964
TENN	10,794	*		*	17,097
TEX	40,538	5,580			46,118
UTAH	9,268	7,202		407	16,877
VT				2,875	2,875
VA	14,545	13,291	*	*	41,697
WASH	40,801	28,427	9,144	169,318	247,690
W VA	*	*	2,275	4,846	7,889
WIS	33,818	*		*	53,478
WYO	*	*			*
OTHER STS	31,936	39,816	3,032	37,862	7,271
U S	714,610	406,519	21,813	321,399	1,464,341

* NOT SHOWN TO AVOID DISCLOSURE OF INDIVIDUAL PLANT REPORTS. STATE DATA INCLUDED IN "OTHER STATES" AND UNITED STATES TOTALS.

1/ STATE AND US TOTALS MAY NOT ADD DUE TO ROUNDING.

2/ INCLUDES FROZEN JUICE TANK STORAGE CAPACITY.

TABLE 6. GROSS COOLER SPACE, BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 1/

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
	1,000 CU FT				
ALA	3,219	1,185			4,404
ALAS		252			252
ARIZ	*	*			632
ARK	276	334			610
CALIF	23,120	53,161	*	*	96,245
COLO	*	*			1,844
CONN	*	*		2,045	2,984
DEL	*	*	*	*	493
FLA 2/	4,970	27,146			32,116
GA	14,637	4,671			19,308
HAW	*	*			719
IDAHO	*	985		*	1,952
ILL	8,803	2,854		2,338	13,995
IND	2,441	2,169		1,682	6,293
IOWA	2,577	2,324			4,901
KANS	4,930	*		*	5,240
KY	*	1,176		*	1,893
LA	266	411			677
MAINE	*	*		3,895	4,256
MD & DC	893	144		1,309	2,346
MASS	1,574	672		5,381	7,627
MICH	5,632	3,206	999	29,119	38,955
MINN	2,228	9,296		464	11,987
MISS		94			94
MO	10,463	4,668			15,131
MONT	*	*			37
NEBR	1,581				1,581
NEV	*				*
N H	*	*		2,643	2,792
N J	6,167	757		3,199	10,123
N MEX	*	*		*	584
N Y	12,086	11,995	7,749	22,143	53,973
N C	854	2,083		1,112	4,048
N DAK					
OHIO	5,650	6,224	*	*	16,630
OKLA	598	1,209			1,807
OREG	1,477	3,113		34,652	39,243
PA	4,417	7,822		16,518	28,757
R I	*	*		152	696
S C	403	783		275	1,460
S DAK	351	1,028			1,379
TENN	*	1,981		*	3,459
TEX	14,509	2,743			17,253
UTAH	*	1,374		*	3,103
VT				2,768	2,768
VA	*	13,109	*	13,863	39,908
WASH	1,258	2,594	11,385	211,648	226,884
W VA	*	*	2,857	5,868	9,323
WIS	*	19,969		*	33,785
WYO		*			*
OTHER STS	32,678	2,275	3,089	25,990	459
U S	168,056	193,807	26,079	392,068	780,010

* NOT SHOWN TO AVOID DISCLOSURE OF INDIVIDUAL PLANT REPORTS. STATE DATA INCLUDED IN "OTHER STATES" AND UNITED STATES TOTALS.

1/ STATE AND US TOTALS MAY NOT ADD DUE TO ROUNDING.

2/ INCLUDES FROZEN JUICE TANK STORAGE CAPACITY.

TABLE 7. USABLE COOLER SPACE, BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 1/

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
	1,000 CU FT				
ALA	2,890	926			3,816
ALAS		193			193
ARIZ	*	*			480
ARK	231	272			503
CALIF	18,158	38,622	*	*	72,608
COLO	*	*			1,383
CONN	*	*		1,633	2,234
DEL	*	*	*	*	404
FLA 2/	3,951	21,619			25,570
GA	11,807	3,499			15,307
HAW	*	*			526
IDAHO	*	639		*	1,270
ILL	6,185	1,864		1,852	9,901
IND	1,790	1,522		1,356	4,669
IOWA	1,994	1,523			3,517
KANS	3,768	*		*	4,012
KY	*	773		*	1,391
LA	231	359			590
MAINE	*	*		3,331	3,601
MD & DC	599	109		917	1,625
MASS	1,178	509		4,350	6,036
MICH	4,574	2,722	868	23,872	32,036
MINN	1,690	6,235		393	8,318
MISS		78			78
MO	7,826	3,005			10,831
MONT	*				*
NEBR	1,250				1,250
NEV	*				*
N H	*	*		2,088	2,181
N J	4,764	554		2,648	7,966
N MEX	*	*		38	489
N Y	9,127	8,693	6,153	17,972	41,945
N C	713	1,871		861	3,445
N DAK					
OHIO	4,092	4,842	*	*	12,818
OKLA	496	1,088			1,583
OREG	1,166	2,409		27,013	30,588
PA	3,377	5,642		13,544	22,562
R I	*	*		122	513
S C	343	390		216	950
S DAK	251	690			941
TENN	*	1,006		*	2,111
TEX	9,569	1,996			11,565
UTAH	*	957		*	2,408
VT				2,324	2,324
VA	*	10,837	*	11,212	32,394
WASH	942	1,760	9,144	169,318	181,164
W VA	*	*	2,275	4,846	7,586
WIS	*	14,392		*	24,911
WYO		*			*
OTHER STS	24,985	1,827	2,683	20,581	384
U S	127,948	143,421	21,124	313,872	606,365

* NOT SHOWN TO AVOID DISCLOSURE OF INDIVIDUAL PLANT REPORTS. STATE DATA INCLUDED IN "OTHER STATES" AND UNITED STATES TOTALS.

1/ STATE AND US TOTALS MAY NOT ADD DUE TO ROUNDING.

2/ INCLUDES FROZEN JUICE TANK STORAGE CAPACITY.

TABLE 8. GROSS FREEZER SPACE, BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 1/

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
	1,000 CU FT				
ALA	3,501				3,501
ALAS	*	*			6,330
ARIZ	*	*			4,498
ARK	8,399	1,120			9,519
CALIF	91,655	39,144	*	*	131,915
COLO	7,677	1,430			9,107
CONN	3,427			16	3,443
DEL	5,248	1,406			6,654
FLA 2/	49,578	74,321			123,899
GA	30,523	7,682			38,205
HAW	*	*			2,734
IDAHO	11,091	20,971			32,062
ILL	36,597	*		*	42,055
IND	12,165	1,671		34	13,870
IOWA	33,828	3,893			37,721
KANS	*	*			30,082
KY	4,569	1,079			5,648
LA	5,137	1,256			6,393
MAINE	*	*			13,407
MD & DC	12,291	3,738			16,029
MASS	28,267	11,635		601	40,503
MICH	21,135	12,045		1,192	34,372
MINN	16,524	14,606			31,130
MISS	*	*			753
MO	30,877	1,738			32,615
MONT	*	*			161
NEBR	*	*			18,116
NEV	*	*			*
N H	*	*			2,158
N J	22,078	4,443		95	26,616
N MEX	*	*			762
N Y	28,756	8,325	*	*	37,624
N C	3,507	670			4,177
N DAK	*	*			*
OHIO	26,960	3,787		3	30,751
OKLA	*	*			5,813
OREG	48,780	*		*	66,118
PA	16,171	10,800		3,947	30,918
R I	1,465				1,465
S C	6,621	2,421			9,041
S DAK	*	*			1,331
TENN	16,131	6,655			22,787
TEX	45,594	5,162			50,756
UTAH	9,433	7,603			17,036
VT				677	677
VA	8,745	*		*	13,038
WASH	48,193	35,223			83,416
W VA	*	*			394
WIS	28,557	6,720			35,277
WYO	*	*			*
OTHER STS	64,616	56,640	860	3,227	10,058
U S	788,097	346,185	860	9,821	1,144,963

* NOT SHOWN TO AVOID DISCLOSURE OF INDIVIDUAL PLANT REPORTS. STATE DATA INCLUDED IN "OTHER STATES" AND UNITED STATES TOTALS.

1/ STATE AND US TOTALS MAY NOT ADD DUE TO ROUNDING.

2/ INCLUDES FROZEN JUICE TANK STORAGE CAPACITY.

TABLE 9. USABLE FREEZER SPACE, BY TYPE OF WAREHOUSE, UNITED STATES, OCTOBER 1, 1981 1/

STATE	GENERAL STORAGES		APPLE STORAGES		TOTAL
	PUBLIC	PRIVATE AND SEMIPRIVATE	PUBLIC	PRIVATE AND SEMIPRIVATE	
1,000 CU FT					
ALA	2,538				2,538
ALAS	*	*			5,092
ARIZ	*	*			3,469
ARK	6,632	832			7,463
CALIF	67,740	29,147	*	*	97,783
COLO	5,060	1,131			6,191
CONN	2,158			13	2,171
DEL	3,101	1,022			4,122
FLA 2/	37,257	58,885			96,142
GA	21,796	5,690			27,486
HAW	*	*			1,636
IDAHU	9,277	17,686			26,963
ILL	23,642	*		*	27,701
IND	9,327	1,313		26	10,667
IOWA	26,749	2,295			29,044
KANS	*	*			21,828
KY	3,462	739			4,200
LA	4,351	918			5,269
MAINE	*	*			9,117
MD & DC	7,633	2,918			10,551
MASS	19,783	8,026		481	28,290
MICH	15,921	9,650		885	26,457
MINN	12,703	10,647			23,350
MISS	*	*			491
MO	22,008	1,317			23,325
MONT	*	*			131
NEBR	*	*			13,553
NEV	*	*			*
N H	*	*			1,038
N J	16,377	3,593		64	20,035
N MEX	*	*			652
N Y	20,155	*	*	47	26,610
N C	2,938	545			3,483
N DAK	*	*			*
OHIO	18,835	2,754		2	21,592
OKLA	*	*			4,518
OREG	41,652	*		*	54,555
PA	12,609	8,590		2,935	24,135
R I	983				983
S C	5,770	1,551			7,321
S DAK	*	*			1,023
TENN	9,939	5,046			14,986
TEX	30,969	3,583			34,552
UTAH	8,223	6,245			14,469
VT				551	551
VA	6,018	*		*	9,302
WASH	39,859	26,667			66,526
W VA	*	*			303
WIS	23,309	5,258			28,567
WYO	*	*			*
OTHER STS	47,885	47,047	690	2,498	7,721
U S	586,663	263,098	690	7,526	857,976

* NOT SHOWN TO AVOID DISCLOSURE OF INDIVIDUAL PLANT REPORTS. STATE DATA INCLUDED IN "OTHER STATES" AND UNITED STATES TOTALS.

1/ STATE AND US TOTALS MAY NOT ADD DUE TO ROUNDING.

2/ INCLUDES FROZEN JUICE TANK STORAGE CAPACITY.

TABLE 10. WAREHOUSES, ALL TYPES: REFRIGERATED STORAGE CAPACITY IN CITIES HAVING 3 OR MORE PLANTS AND AT LEAST 3 MILLION CUBIC FEET OF USABLE PILING SPACE, OCTOBER 1, 1981 1/

	STORAGES	GROSS SPACE			USABLE PILING SPACE		
		COOLER	FREEZER	TOTAL	COOLER	FREEZER	TOTAL
	NUMBER	1,000 CU FT					
ALBANY-SCHENECTADY-TROY, N Y	17	2,925	2,187	5,111	1,977	1,438	3,415
ANAHEIM-SANTA ANA-GAR, G., CALIF	5	2,661	22,570	25,231	2,123	17,348	19,471
ATLANTA, GA	6	3,320	26,518	29,837	2,489	18,547	21,037
BAKERSFIELD, CALIF	26	14,490	78	14,568	12,026	66	12,093
BOSTON, MASS	26	1,387	17,589	18,976	1,016	11,958	12,974
BROWNSVILLE-HARL.-SAN BEN., TEX	6	299	6,235	6,533	236	4,578	4,814
BUFFALO, N Y	33	4,261	2,967	7,227	3,204	2,112	5,316
CHICAGO, ILL	24	10,467	36,654	47,121	7,181	23,787	30,968
CINCINNATI, OHIO-KY-IND	13	2,599	6,306	8,905	2,107	4,883	6,990
CLEVELAND, OHIO	16	1,830	10,889	12,719	1,299	7,310	8,610
DALLAS-FORT WORTH, TEX	9	9,575	20,295	29,870	5,668	12,061	17,729
DAVEN.-ROCK IS.-MOLINE, IOWA-ILL	7	234	9,238	9,472	163	7,796	7,959
DENVER-BOULDER, COLO	7	927	7,242	8,169	695	4,801	5,497
DETROIT, MICH	33	4,996	8,079	13,075	4,134	5,926	10,060
FAYETTEVILLE-SPRINGDALE, ARK	6	399	4,457	4,855	339	3,474	3,813
FRESNO, CALIF	44	13,844	4,545	18,389	10,096	3,653	13,749
GRAND RAPIDS, MICH	85	11,524	3,369	14,892	9,789	2,833	12,622
GREEN BAY, WIS	19	6,534	7,024	13,558	4,720	5,385	10,105
HOUSTON, TEX	6	1,263	3,866	5,128	958	2,566	3,523
INDIANAPOLIS, IND	17	1,926	6,565	8,491	1,416	4,853	6,269
JERSEY CITY, N J	4	3,363	8,532	11,895	2,428	5,810	8,238
KALAMAZOO-PORTAGE, MICH	29	4,493	2,218	6,711	3,609	1,834	5,443
KANSAS CITY, MO-KANS	14	7,543	47,103	54,646	5,838	34,163	40,000
LAKELAND-WINTER HAVEN, FLA	19	9,272	21,850	31,122	7,091	15,490	22,581
LOS ANGELES-LONG BEACH, CALIF	33	6,848	32,501	39,349	5,437	23,576	29,013
MEMPHIS, TENN-ARK-MISS	5	927	6,347	7,274	613	4,579	5,192
MIAMI, FLA	7	2,621	16,501	19,122	2,070	12,846	14,915
MILWAUKEE, WIS	9	1,733	4,358	6,091	1,319	3,618	4,937
MINNEAPOLIS-ST. PAUL, MINN-WISC	11	2,821	10,682	13,503	2,062	8,032	10,094
MODESTO, CALIF	8	3,618	11,975	15,593	2,009	8,337	10,346
MUSKEGON-MUSK. HTS., MICH	21	4,102	4,026	8,128	3,255	3,025	6,279
NASHVILLE-DAVIDSON, TENN	4	2,158	4,433	6,592	1,192	2,278	3,470
NEW ORLEANS, LA	7	225	4,571	4,796	197	3,759	3,956
NEW YORK, N Y-N J	29	4,784	8,494	13,278	4,010	6,244	10,254
NEWARK, N J	11	1,529	3,691	5,220	1,164	2,992	4,156
OMAHA, NEBR-IOWA	6	1,341	14,192	15,533	1,067	10,446	11,513
ORLANDO, FLA	10	1,808	22,347	24,155	1,552	18,025	19,577
PHILADELPHIA, PA-N J	39	4,187	13,420	17,607	3,156	9,928	13,085
PITTSBURG, PA	5	1,408	5,082	6,490	1,071	3,733	4,804
PORTLAND, OREG-WASH	14	1,336	8,633	9,969	1,002	6,655	7,658
RICHLAND-KENNEWICK, WASH	13	3,927	16,301	20,228	2,980	12,864	15,844
RICHMOND, VA	6	5,747	2,971	8,718	4,632	2,224	6,856
RIVERSIDE-SAN BERN., CALIF	5	1,152	6,878	8,030	812	4,657	5,470
ROCHESTER, N Y	36	10,841	12,504	23,345	8,348	9,393	17,741
SACRAMENTO, CALIF	9	5,732	6,559	12,291	4,172	5,569	9,741
SALEM, OREG	14	3,291	29,359	32,649	2,603	24,736	27,340
SALT LAKE CITY-OGDEN, UTAH	7	1,103	13,420	14,522	860	11,510	12,370
SAN ANTONIO, TEX	8	2,206	5,640	7,846	1,586	3,971	5,557
SAN FRANCISCO-OAKLAND, CALIF	12	1,387	8,010	9,398	977	5,321	6,299
SAN JOSE, CALIF	15	4,940	9,133	14,073	3,239	7,678	10,917
SANTA CRUZ, CALIF	23	7,726	11,628	19,354	6,442	8,144	14,585
SEATTLE-EVERETT, WASH	25	1,382	15,749	17,131	1,062	11,475	12,537
SIOUX CITY, IOWA-NEBR	7	225	5,638	5,863	182	4,226	4,408
SPRINGFIELD, MO	5	3,758	1,783	5,541	2,221	1,326	3,547
ST. LOUIS, MO-ILL	7	2,429	4,938	7,367	1,748	3,403	5,151
STOCKTON, CALIF	14	8,549	2,140	10,688	5,404	1,841	7,045
SYRACUSE, N Y	14	1,978	5,593	7,570	1,546	3,082	4,628
TACOMA, WASH	7	608	3,840	4,448	430	3,180	3,611
TAMPA-ST. PETERSBURG, FLA	17	3,248	30,194	33,442	2,239	22,173	24,412
VINELAND-MILLVLE.-BRIDGE., N J	11	1,199	9,794	10,993	1,028	8,115	9,143
YAKIMA, WASH	148	99,729	2,352	102,080	79,750	2,049	81,799
YORK, PA	27	11,669	6,139	17,808	9,752	4,791	14,542
TOTAL ABOVE AREAS	1,120	344,398	668,188	1,012,586	263,792	492,274	756,065

1/ STANDARD METROPOLITAN STATISTICAL AREAS DEFINED BY THE BUREAU OF THE BUDGET IN 1964. INCLUDES AREAS IN AND AROUND CITY/CITIES NAMES.

TABLE 11. PUBLIC GENERAL WAREHOUSES: REFRIGERATED STORAGE CAPACITY IN CITIES HAVING 3 OR MORE PLANTS AND AT LEAST 2 MILLION CUBIC FEET OF USABLE PILING SPACE, OCTOBER 1, 1981 1/

	STORAGES:	GROSS SPACE			USABLE PILING SPACE		
		COOLER	FREEZER	TOTAL	COOLER	FREEZER	TOTAL
NUMBER				1,000 CU FT			
ANAHEIM-SANTA ANA-SAR. G., CALIF	3	2,500	21,586	24,086	2,000	16,549	18,549
ATLANTA, GA	4	2,854	25,449	28,303	2,145	17,812	19,958
BAKERSFIELD, CALIF	3	5,020	78	5,098	4,564	66	4,630
BALTIMORE, MD	3	429	2,849	3,278	321	1,705	2,025
BOSTON, MASS	8	1,062	11,707	12,769	759	7,718	8,476
BROWNSVILLE-HARL.-SAN BEN., TEX	5	287	6,025	6,312	225	4,403	4,628
CHICAGO, ILL	14	8,005	34,908	42,914	5,627	22,450	28,077
CINCINNATI, OHIO-KY-IND	3	1,856	6,070	7,926	1,454	4,700	6,154
CLEVELAND, OHIO	4	1,261	6,035	7,296	869	5,390	6,260
COLUMBUS, GA-ALA	3	1,186	1,546	2,732	978	1,210	2,188
DALLAS-FORT WORTH, TEX	5	8,180	20,207	28,386	4,706	11,982	16,688
DAVEN.-ROCK IS.-MOLINE, IOWA-ILL	3	114	8,978	9,092	63	7,652	7,714
DENVER-BOULDER, COLO	6	857	6,832	7,689	629	4,431	5,060
DETROIT, MICH	8	3,565	8,079	11,644	2,966	5,926	8,891
FAYETTEVILLE-SPRINGDALE, ARK	3	210	4,148	4,358	180	3,186	3,366
GREEN BAY, WIS	7	5,176	5,636	10,812	3,810	4,290	8,100
HOUSTON, TEX	4	1,166	2,839	4,005	902	2,016	2,918
INDIANAPOLIS, IND	4	1,632	6,478	8,110	1,199	4,801	6,000
JACKSONVILLE, FLA	5	403	2,818	3,220	324	2,265	2,589
JERSEY CITY, N J	3	3,003	8,532	11,535	2,158	5,810	7,968
KANSAS CITY, MO-KANS	10	6,123	46,515	52,638	4,783	33,756	38,539
LOS ANGELES-LONG BEACH, CALIF	24	4,460	25,309	29,770	3,192	18,028	21,220
MEMPHIS, TENN-ARK-MISS	3	616	6,211	6,827	451	4,476	4,927
MIAMI, FLA	6	2,613	16,465	19,078	2,065	12,814	14,879
MILWAUKEE, WIS	4	560	4,262	4,822	450	3,533	3,983
MINNEAPOLIS-ST. PAUL, MINN-WIS	7	1,430	8,885	10,315	1,101	6,594	7,695
NASHVILLE-DAVIDSON, TENN	3	582	3,701	4,283	404	1,949	2,353
NEW ORLEANS, LA	4	180	3,626	3,806	161	3,098	3,259
NEW YORK, N Y-N J	7	3,229	8,155	11,384	2,710	5,971	8,681
NEWARK, N J	3	1,236	3,533	4,769	943	2,881	3,824
OMAHA, NEBR-IOWA	5	1,341	11,137	12,478	1,067	8,676	9,743
ORLANDO, FLA	4	583	8,088	8,671	483	6,438	6,921
PHILADELPHIA, PA-N J	13	3,033	12,313	15,347	2,199	9,025	11,224
PORTLAND, OREG-WASH	7	570	7,735	8,306	373	5,912	6,285
RICHMOND, VA	5	5,747	2,530	8,277	4,632	1,898	6,530
ROCHESTER, N Y	15	4,622	9,896	14,518	3,363	7,480	10,843
SACRAMENTO, CALIF	4	425	5,564	5,988	346	4,762	5,108
SALEM, OREG	3	657	22,499	23,156	587	19,397	19,983
SALINAS-SEASIDE-MONTEREY, CALIF	3	270	3,567	3,836	166	2,438	2,604
SALT LAKE CITY-OGDEN, UTAH	3	785	8,618	9,403	589	7,645	8,234
SAN ANTONIO, TEX	5	1,992	5,250	7,242	1,447	3,698	5,146
SAN FRANCISCO-OAKLAND, CALIF	10	1,293	7,909	9,202	893	5,240	6,133
SAN JOSE, CALIF	6	725	7,064	7,789	470	5,821	6,292
SANTA CRUZ, CALIF	3	482	2,730	3,211	396	2,148	2,543
SEATTLE-EVERETT, WASH	12	967	9,997	10,965	744	6,980	7,724
SIOUX CITY, IOWA-NEBR	6	225	5,465	5,690	182	4,153	4,335
SPRINGFIELD, MO	3	1,922	1,234	3,156	1,295	832	2,127
ST. LOUIS, MO-ILL	4	1,655	4,820	6,476	1,129	3,305	4,434
SYRACUSE, N Y	3	809	4,705	5,514	650	2,479	3,129
TACOMA, WASH	4	181	2,893	3,074	119	2,560	2,678
TAMPA-ST. PETERSBURG, FLA	6	1,110	10,154	11,264	862	7,066	7,928
VINELAND-MILLVLE.-BRIDGE., N J	4	612	7,107	7,719	551	5,879	6,430
TOTAL ABOVE AREAS	297	99,800	480,738	580,538	74,678	351,095	425,773

1/ STANDARD METROPOLITAN STATISTICAL AREAS DEFINED BY THE BUREAU OF THE BUDGET IN 1964. INCLUDES AREAS IN AND AROUND CITY/CITIES NAMES.

TABLE 12. CAPACITY OF CONTROLLED ATMOSPHERE SPACE FOR APPLES OR PEARS
OCTOBER 1, 1981

STATE	STORAGES	CAPACITY	STATE	STORAGES	CAPACITY
	NUMBER	1,000 BUSHELS		NUMBER	1,000 BUSHELS
CALIF	11	1,616	OREG	11	1,413
CONN	9	156	PA	11	1,395
MAINE	23	847	VT	7	503
MASS	32	711	VA	13	1,693
MICH	101	4,995	WASH	173	42,954
N H	15	556	W VA	9	598
N J	12	210	OTH STS	33	1,008
N Y	101	5,162	U S	561	63,815

* * * IMPORTANT NOTICE * * *

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