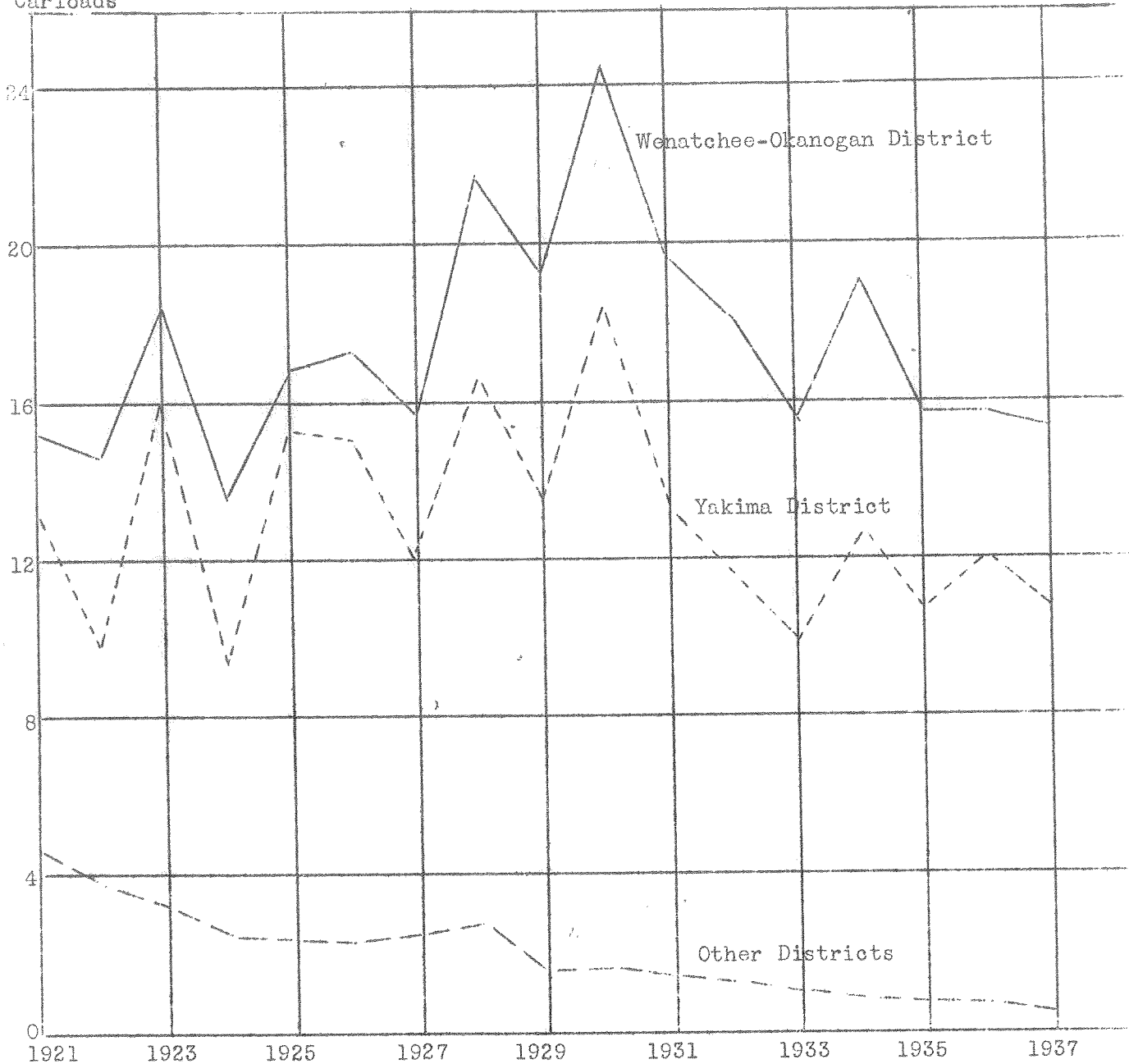


Carlot Shipments of Apples from Wenatchee-
 Okanogan, Yakima, and Other Districts of
 Washington, 1921-22 to 1937-38 Seasons*

Thousand
 Carloads



* Carlot shipment season extends from July 1 through June 30 of the following year.
 Source of data:

1921-22 to 1929-30, "Trends in the Apple Industry," Washington Experiment Station Bulletin No. 277.

1930-31 to 1936-37, United States Department of Agriculture, Market News Service, "Marketing Northwest Apples," (mimeo.), summaries of seasons of 1930-31 to 1936-37 respectively.

Carlot Shipments of Apples, Washington,
and by Districts, 1921-22 to 1936-37

(In carloads)

Crop year	Total Wash- ington ^{1/}	Wenatchee- Okanogan District	Yakima District	Spokane District	Walla Walla District	White Salmon District
1921-22	33,089	15,131	13,354	2,452	1,450	702
1922-23	28,228	14,646	9,851	3,056	172	503
1923-24	37,585	18,376	16,040	1,258	1,206	705
1924-25	25,264	13,537	9,315	1,442	172	798
1925-26	34,591	16,844	15,386	781	1,074	506
1926-27	34,729	17,368	15,100	909	552	800
1927-28	30,269	15,700	12,061	1,382	820	306
1928-29	41,309	21,837	16,696	1,409	704	663
1929-30	34,204	19,312	13,327	820	537	208
1930-31	45,217	24,611	18,988	676	491	451
1931-32	34,511	19,782	13,326	787	373	243
1932-33	30,822	18,019	11,593	548	326	336
1933-34	26,072	15,192	9,861	615	265	139
1934-35	32,822	19,256	12,633	412	246	275
1935-36	26,768	15,668	10,331	373	220	176
1936-37	28,193	15,603	11,826	298	219	247
1937-38	27,419	15,326	10,560	307	180	211
Five-year averages:						
1921-25	31,752	15,707	12,789	1,798	815	643
1926-30	37,147	19,766	15,235	1,039	621	486
1931-35	30,199	17,583	11,549	547	286	234
1933-37	28,255	16,209	11,042	401	226	210

^{1/} State total is sum of district totals.

Source of data:

1921-22 to 1929-30, "Trends in the Apple Industry," Washington Experiment Station Bulletin No. 277.

1930-31 to 1936-37, United States Department of Agriculture, Bureau of Agricultural Economics, "Marketing Northwest Apples," (mimeo.), summaries of seasons of 1930-31 to 1937-38, respectively.

Weighted Average Prices of Packed Apples,
Net to Grower for All Varieties, Grades,
and Sizes, Wenatchee-Okanogan District,
Washington, 1912 to 1938 Seasons

(Dollars per box)

Crop year beginning	Prices of Wenatchee Valley Traffic Association ¹	Prices obtained in independent study ²
1912	.474	
1913	1.170	
1914	.476	
1915	.809	
1916	.911	
1917	1.093	
1918	1.639	
1919	2.018	
1920	1.513	
1921	1.506	
1922	.961	.979
1923	.905	.956
1924	1.663	1.676
1925	1.257	1.240
1926	1.037	1.034
1927	1.719	1.730
1928	1.120	1.105
1929	1.484	1.494
1930	.927	.998
1931	.550	.608
1932	.423	.461
1933	.933	.933
1934	.600	
1935	.630	
1936	1.040	
1937	.632	
1938 Preliminary estimate	.850	

¹ 1912-1930, from I.C.C. Docket 17,000, Application for Reduction of Transportation Rates on Boxed Apples in Carload Lots from Pacific Northwest, Ex. No. B, by O. B. Shay, Dec. 1, 1925; Wenatchee Valley Traffic Association, Bul. 537, August 1930, and Bert L. Baker, Sec'y, Wenatchee Valley Traffic Association, May 1932; 1931-1933 F. E. DeSelle, unpublished Mimeograph, 1934; 1934-1938, Bert L. Baker.

² Independent study made by the Experiment Station of the State College of Washington.

SUMMARY OF COSTS OF PRODUCING, HARVESTING,
AND PACKING APPLES IN THE WENATCHEE-OKANOGAN AREA
DURING NORMAL TIMES

A. Harvesting and packing costs per packed box \$0.495

Distribution of above costs:

Labor only in hauling shook and making boxes	\$0.01
Hauling in orchard and hauling to warehouse	0.03
Picking and supervising of picking (packed box basis)	0.08
Total labor exclusive of packing	0.12
<u>Boxes and nails</u>	0.145
<u>Central packing</u>	
Includes all labor and materials, exclusive of boxes and nails	0.230

B. Pre-harvest costs

These include equipment and building charges, cultural material costs, such as spray materials and fertilizer, cultural labor costs, power exclusive of pumping, interest on operating expenses, and miscellaneous items. In those costs 54 per cent of all labor is assumed to have been hired. These costs are exclusive of the operator's labor and of any return on investment in orchard.

Variable--with yields from 300 boxes to 1000 boxes per acre.

\$0.681 to \$0.204

C. Total costs with varying yields
(20-acre orchard, basis 6 cover sprays)

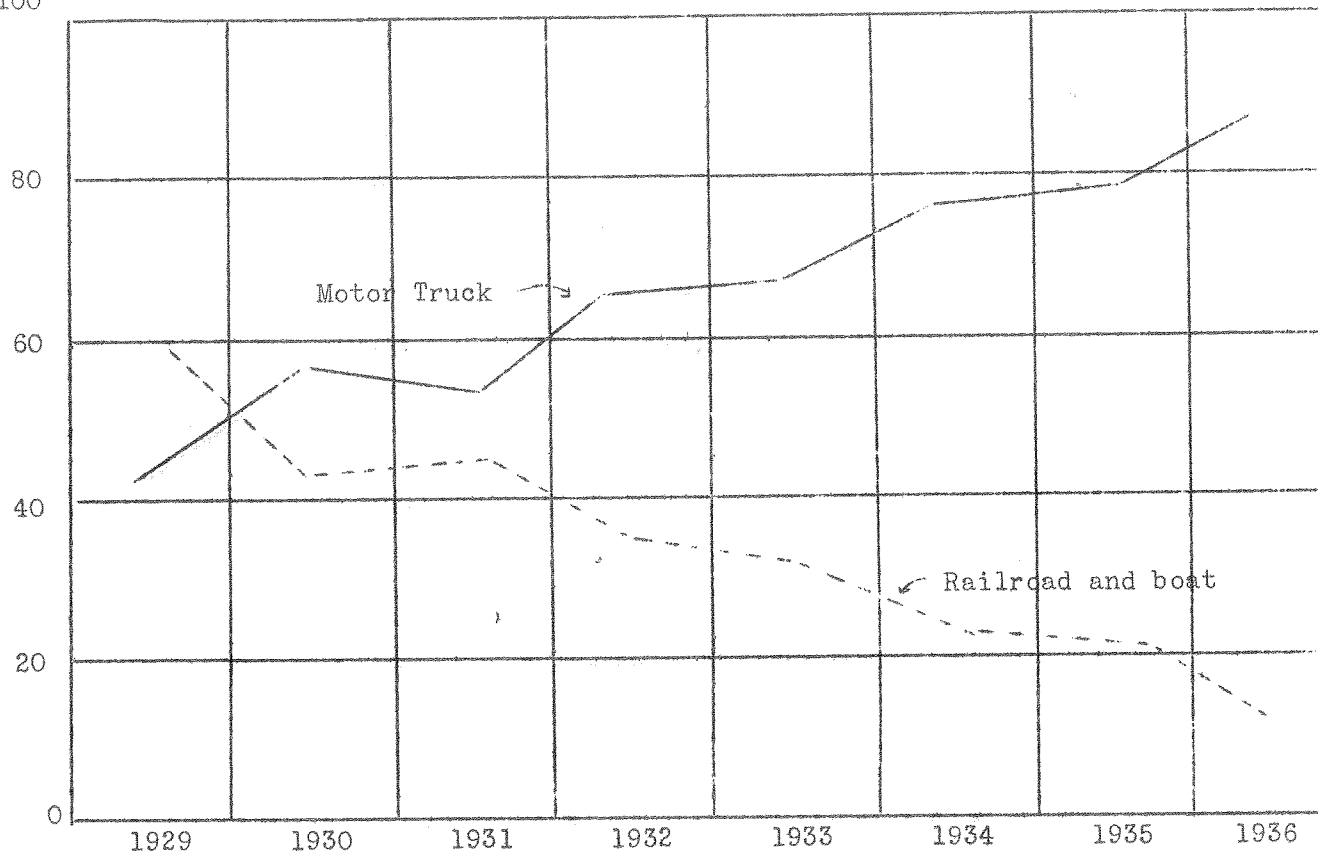
	Yield per acre							
	300 bx.	400 bx.	500 bx.	600 bx.	700 bx.	800 bx.	900 bx.	1000 bx.
Pre-harvest costs	\$.681	\$.511	\$.409	\$.341	\$.292	\$.256	\$.227	\$.204
Harvesting costs	.495	.495	.495	.495	.495	.495	.495	.495
Total Per Box Cost	1.176	1.006	.904	.836	.787	.751	.722	.699

Source of data: A Preliminary Presentation of Certain Data Pertaining to the Apple Industry of Central Washington by Chester C. Hampson, Assistant Agricultural Economist, Agricultural Experiment Station, State College of Washington; R. B. Tootell, Chief, and W. N. Comer, Assistant, Land Economics Division, Federal Land Bank of Spokane, March 14, 1935.

Percentage of Total Unloads of Fruits and Vegetables from nine Atlantic Coast States arriving at New York City by Motortruck and by rail or boat, 1929-1936.

(Motortruck receipts rose from 42 to 86 per cent in 8 years.)

Per cent
100



Source of data:

Bulletin No. 18, FARM CREDIT ADMINISTRATION, Cooperative Division, Washington, D. C., September 1937 (Page 5)

Means of Transportation Utilized in Marketing
Apples by 3,681 Growers in Nine States Tributary
to the New York Market for the Year Ending
June 30, 1934

Percentage of Tonnage Moved to Market by Each Means of Transportation											Total
Growers		:Truck Hired :		:		:		:		:	Tons
truck		:by Grower :		:		:		:		:	Moved
To	To	T	To	To	T	Mer-	Truck	Rail	All		
al	City	o	Loc-	City	o	chant	Hired	Frts.	Other		
ket	ket	a	Mar-	Mar-	a	ers	by	and	Meth-		
		l	ket	ket	l	Truck	Buy-	Ex-	ods		
							er	press			
Apples											
Northern States											
	21.2	19.5	40.7	5.8	23.0	28.8	15.8	10.6	2.6	1.5	50,103
(Based on report from 2,085 growers in New York, Pennsylvania, New Jersey, Connecticut, and Massachusetts.)											
Apples											
Southern States											
	18.4	15.3	33.7	24.8	19.9	44.7	6.5	8.8	5.2	1.1	27,063
(Based on reports of 1,596 growers in Delaware, Maryland, Virginia and North Carolina.)											

Source of data:

Bulletin No. 18, FARM CREDIT ADMINISTRATION,
Cooperative Division, Washington, D. C.
September 1937 (Page 20).