

UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Office of the Agricultural Statistician

SPECIAL PACIFIC NORTHWEST FRUIT AND BERRY SURVEY

P E A R S

AVERAGE YIELDS PER TREE BY AGE GROUPS AND VARIETIES
CROP OF 1935

WASHINGTON

and

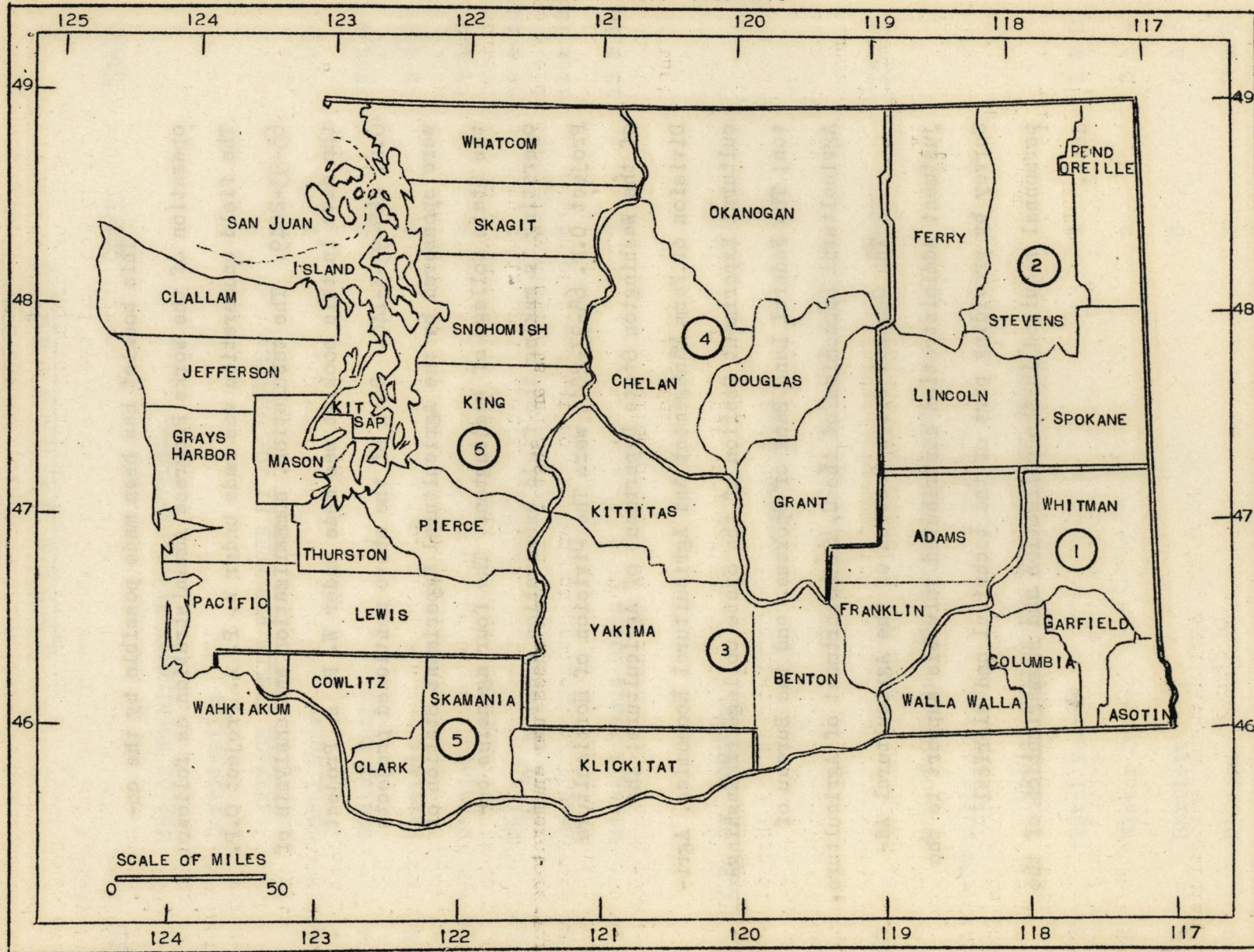
OREGON

306 U. S. Courthouse

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WASHINGTON. FRUIT DISTRICTS



I N T R O D U C T I O N

The data shown in this booklet for Pears are a by-product of the results obtained from the Special Pacific Northwest Fruit Tree and Berry Acreage Survey conducted in the State of Washington in 1936. In this Survey the fruit trees were enumerated by kind, variety and age groups, and production by kind and variety for 1935. In this booklet the average yields per tree for the crop of 1935, as reported by growers, are shown for varieties and age groups by districts and State. As the yields shown are a composite of a number of different counties within the district, they should not be construed as being representative of any particular county. Likewise, as the data are for one year only, the entire yield schedule might be either up or down for any other year, though 1935 was considered about average insofar as yields are concerned. Individual orchards may vary greatly from the yields shown, though it is believed that the data give a reliable picture of the effect of increasing age upon the yields of Pear trees in the State of Washington. The yields shown include graded fruit, culls and that part of the crop which remained unharvested.

In many cases growers reported trees of a certain variety of Pears in only one age group. From these reports it was possible to determine the yield per tree by age groups and varieties, on the basis of a considerable proportion of the total trees enumerated. In preparing the data in this booklet the number of trees of a single age group, with their production in 1935, were relisted by varieties and the average yields derived by districts and State. In some cases the enumerators were able to secure the number of trees but not the amount produced by those trees in 1935. In such cases, if the trees were from 2 to 5 years old, the production was considered to have been "zero". In the age groups for trees older than 5 years, a report showing "No Production" was edited out unless it was clearly shown by the schedule that the crop had actually failed.

The straight average yield per tree derived in each county by age group and variety, was weighted by the number of trees enumerated for this age group and variety in the county. The sum of the extensions in the district was then divided by the sum of the weights to arrive at the weighted average yield per tree for the particular variety and age group in the district. In this manner counties in which large numbers of trees were enumerated, were given their proportionate importance relative to the average yield per tree. To test the weighted average yields per tree, the total number of trees in each age group in the State was multiplied by the derived average yields in the age group and the total accumulated production was compared with the total production enumerated for that particular kind or variety. The accumulated computed production by varieties ranged from 7 percent below for D'Anjou to 5 percent above the enumerated production for Bartlett's. In preparing the Charts found on the even numbered pages of this booklet the weighted average yields per tree were used. While the indicated yields per tree vary greatly between districts, questions involving the various horticultural aspects, agronomy and geographical location, as these may bear upon the yield, have not been considered in preparing this booklet. The yields shown were derived from a purely mathematical procedure, based on reports from growers.

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FIRST HALF OF BOOKLET

WASHINGTON PEARS

TABLE OF CONTENTS

Page		Chart	Table
1	Map of Washington Fruit Districts		
2	Introduction		
	<u>AVERAGE YIELDS PER TREE BY AGE GROUPS:</u>		
3 & 4	Total Pears	1	1 & 2
5 & 6	Winter Pears	2	3 & 4
7 & 8	Bartlett	3	5 & 6
9 & 10	D'Anjou	4	7 & 8
11 & 12	Nelis	5	9 & 10
13 & 14	Bosc	6	11 & 12
15 & 16	Miscellaneous Pears	7	13 & 14

LAST HALF OF BOOKLET

OREGON PEARS

TABLE OF CONTENTS

Page		Chart	Table
	Map of Oregon Crop Reporting Districts		
1	Introduction		
	<u>AVERAGE YIELDS PER TREE BY AGE GROUPS:</u>		
2 & 3	Total Pears	1	1 & 2
4 & 5	Winter Pears	2	3 & 4
6 & 7	Bartlett	3	5 & 6
8 & 9	D'Anjou	4	7 & 8
10 & 11	Bosc	5	9 & 10
12 & 13	Miscellaneous Pears	6	11 & 12

This booklet has been made possible by the co-operation of the Works Progress Administration as follows: The field enumeration was made under W. P. A. Project O.P. 65-93-2049. The tabulation, summarization and analysis of the data in this booklet was made under W. P. A. Project O.P. 465-93-3-140. Both of the above mentioned projects were sponsored by the Agricultural Experiment Station of the State College of Washington. The four agencies co-operating in making the field enumeration under W. P. A. Project O.P. 65-93-2049 were The Division of Horticulture of the Washington State Department of Agriculture; The Division of Farm Management and Agricultural Economics, Agricultural Experiment Station of the State College of Washington; The Federal Land Bank of Spokane, and the Bureau of Agricultural Economics of the U. S. Department of Agriculture.

The General Crops Section of the Agricultural Adjustment Administration contributed valuable support to the Survey by providing part of the technical and clerical personnel required in the collection and summarization of the data.

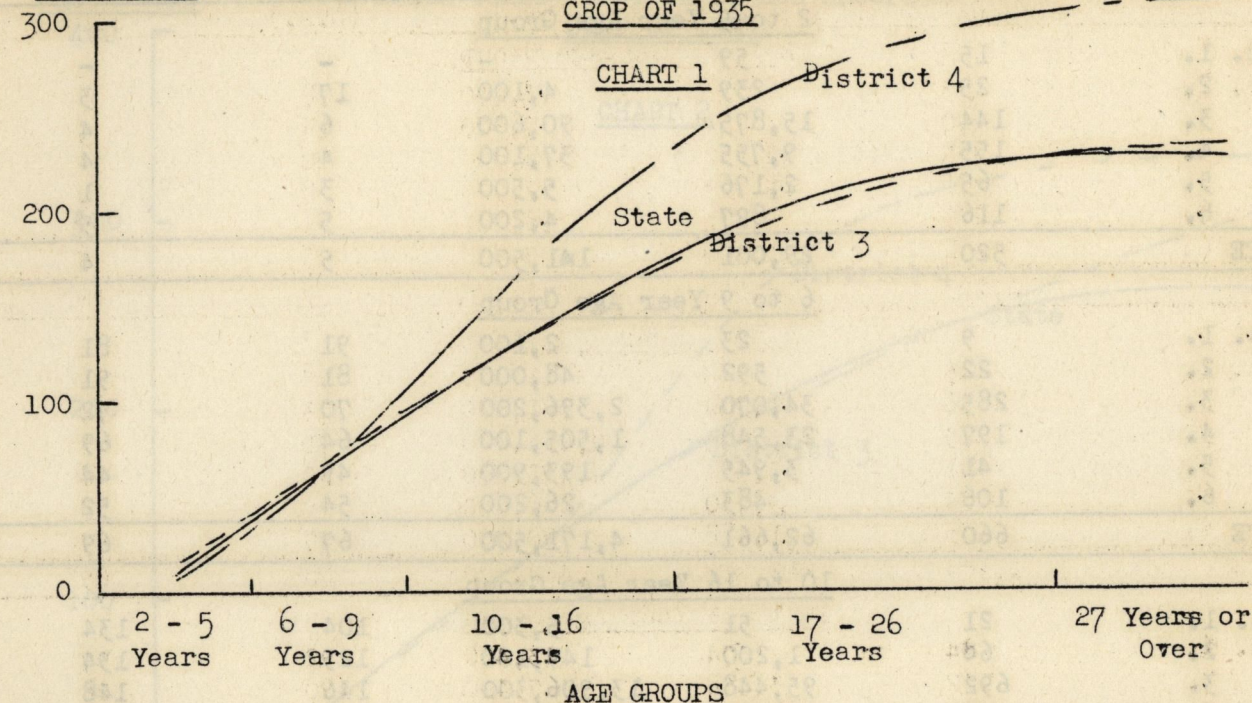
Table 1.

TOTAL PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	73	250	2,000	8	8
2.	70	518	7,300	14	5
3.	237	32,282	318,800	10	12
4.	281	15,723	132,900	8	9
5.	203	5,712	18,500	3	2
6.	261	1,489	7,900	5	6
STATE	1,125	55,974	487,400	9	10
6 to 9 Year Age Group					
Dist. 1.	45	234	13,300	57	85
2.	56	1,704	123,600	73	79
3.	625	135,435	9,615,800	71	71
4.	401	65,321	4,375,200	67	68
5.	174	9,730	286,600	29	29
6.	283	1,488	70,200	47	47
STATE	1,584	213,912	14,484,700	68	69
10 to 16 Year Age Group					
Dist. 1.	84	474	43,400	92	97
2.	142	3,058	367,400	120	126
3.	1,428	342,294	46,129,200	135	135
4.	684	53,045	8,914,400	168	174
5.	422	9,330	578,900	62	70
6.	778	6,075	427,200	70	70
STATE	3,538	414,276	56,460,500	136	138
17 to 26 Year Age Group					
Dist. 1.	108	1,257	169,500	135	132
2.	240	4,755	876,700	184	188
3.	1,171	148,208	31,515,500	213	209
4.	809	38,351	10,907,900	284	292
5.	535	10,292	1,243,400	121	142
6.	1,074	5,520	491,500	89	91
STATE	3,937	208,383	45,204,500	217	215
27 Years or Older Age Group					
Dist. 1.	89	843	177,900	211	209
2.	65	1,303	267,600	205	196
3.	322	34,182	8,195,000	240	235
4.	197	5,082	1,542,700	304	313
5.	852	5,003	837,500	167	168
6.	2,130	11,019	1,089,800	99	98
STATE	3,655	57,432	12,110,500	211	224
Total - All Ages (1 Year or less Excluded)					
Dist. 1.	399	3,058	406,100	133	121
2.	573	11,338	1,642,600	145	143
3.	3,783	692,401	95,774,300	138	132
4.	2,372	177,522	25,873,100	146	145
5.	2,186	40,067	2,964,900	74	83
6.	4,526	25,591	2,086,600	82	81
STATE	13,839	949,977	128,747,600	136	131

Pounds Per Tree
For Specified
Age Groups

TOTAL PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



The data presented for Total Pears on Page 3 is a combination of the varietal data found on Pages 7, 9, 11, 13 and 15. While only 12,713 Pear growing farms were enumerated in the Survey, many farms grew more than one variety of Pears and the sum of the varietal reports exceeds the total number of farms reporting Pear trees. The average yield per tree for each age group was derived from relisting by varieties, the trees and production from 13,839 reports.

In the 2 to 5 year age group 55,974 Pear trees of all varieties averaged 10 pounds per tree, while 213,912 trees in the 6 to 9 year group averaged 69 pounds. In the 10 to 16 year group 414,276 trees averaged 138 pounds; in the 17 to 26 year group 208,383 trees averaged 215 pounds, and in the 27 year or older group 57,432 trees averaged 224 pounds per tree.

Table 2.
TOTAL PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

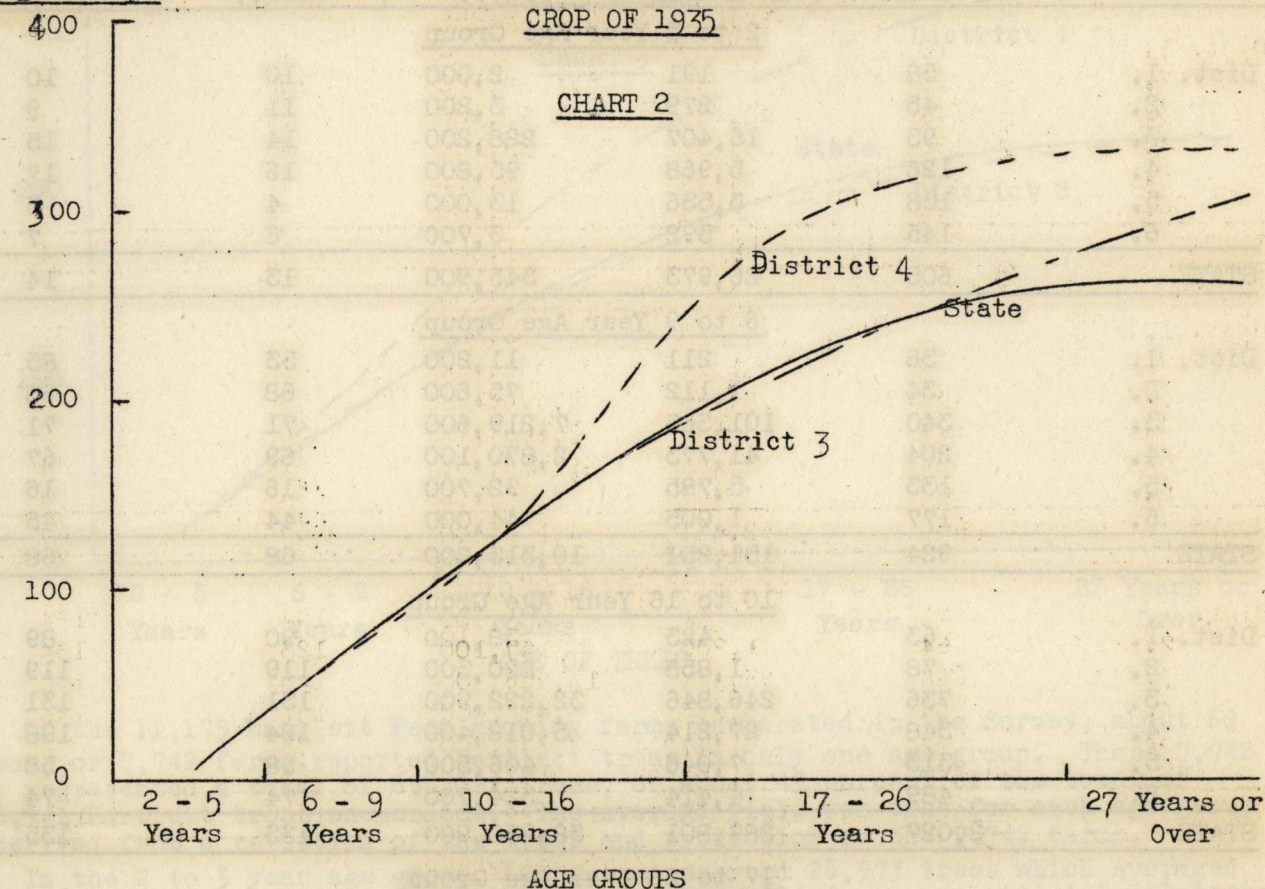
DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds					
District 1.	8	85	97	132	209
District 2.	5	79	126	188	196
District 3.	12	71	135	209	235
District 4.	9	68	174	292	313
District 5.	2	29	70	142	168
District 6.	6	47	70	91	98
STATE AVERAGE	10	69	138	215	224

Table 3. WINTER PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	15	59	-	-	-
2.	25	239	4,100	17	3
3.	144	15,875	90,600	6	4
4.	155	9,755	37,100	4	4
5.	65	2,176	5,500	3	1
6.	116	897	4,200	5	5
STATE	520	29,001	141,500	5	4
6 to 9 Year Age Group					
Dist. 1.	9	23	2,100	91	81
2.	22	592	48,000	81	91
3.	285	34,070	2,396,200	70	72
4.	197	23,548	1,505,100	64	69
5.	41	3,945	193,900	49	44
6.	106	483	26,200	54	52
STATE	660	62,661	4,171,500	67	69
10 to 16 Year Age Group					
Dist. 1.	21	51	5,300	104	134
2.	64	1,200	147,100	123	134
3.	692	95,448	13,906,300	146	148
4.	336	25,831	3,896,000	151	158
5.	109	2,284	172,400	75	94
6.	289	1,661	102,500	62	62
STATE	1,511	126,475	18,229,600	144	148
17 to 26 Year Age Group					
Dist. 1.	30	322	79,800	248	178
2.	108	1,609	318,200	198	220
3.	612	49,999	12,027,700	241	238
4.	376	15,373	4,688,400	305	318
5.	186	5,628	741,600	132	155
6.	441	2,457	191,100	78	84
STATE	1,753	75,388	18,046,800	239	238
27 Years or Older Age Group					
Dist. 1.	34	195	43,200	222	212
2.	30	514	133,300	259	243
3.	185	9,176	2,776,300	303	308
4.	87	1,445	459,500	318	331
5.	349	1,554	345,500	222	222
6.	968	5,546	492,400	89	87
STATE	1,653	18,430	4,250,200	231	258
Total - All Ages (1 Year or less Excluded)					
Dist. 1.	109	650	130,400	201	161
2.	249	4,154	650,700	157	152
3.	1,918	204,568	31,197,100	153	146
4.	1,151	75,952	10,586,100	139	139
5.	750	15,587	1,458,900	94	108
6.	1,920	11,044	816,400	74	75
STATE	6,097	311,955	44,839,600	144	140

Pounds Per Tree
For Specified
Age Groups

WINTER PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



The data for Winter Pears on Page 5 is a combination of the varietal data for D'Anjou, Nelis, Bosc and Miscellaneous Pears. The yields per tree begin at 4 pounds in the 2 to 5 year age group, rise to 69 pounds in the 6 to 9 year group; 148 pounds in the 10 to 16 year group; 238 pounds in the 17 to 26 year group, and 258 pounds in the 27 year or older group. The average yield per tree for all ages of Winter Pears in 1935 was 140 pounds compared with 127 pounds for Bartletts and 131 pounds for all Pears.

Table 4. WINTER PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds					
District 1.	-	81	134	178	212
District 2.	3	91	134	220	243
District 3.	4	72	148	238	308
District 4.	4	69	158	318	331
District 5.	1	44	94	155	222
District 6.	5	52	62	84	87
STATE AVERAGE	4	69	148	238	258

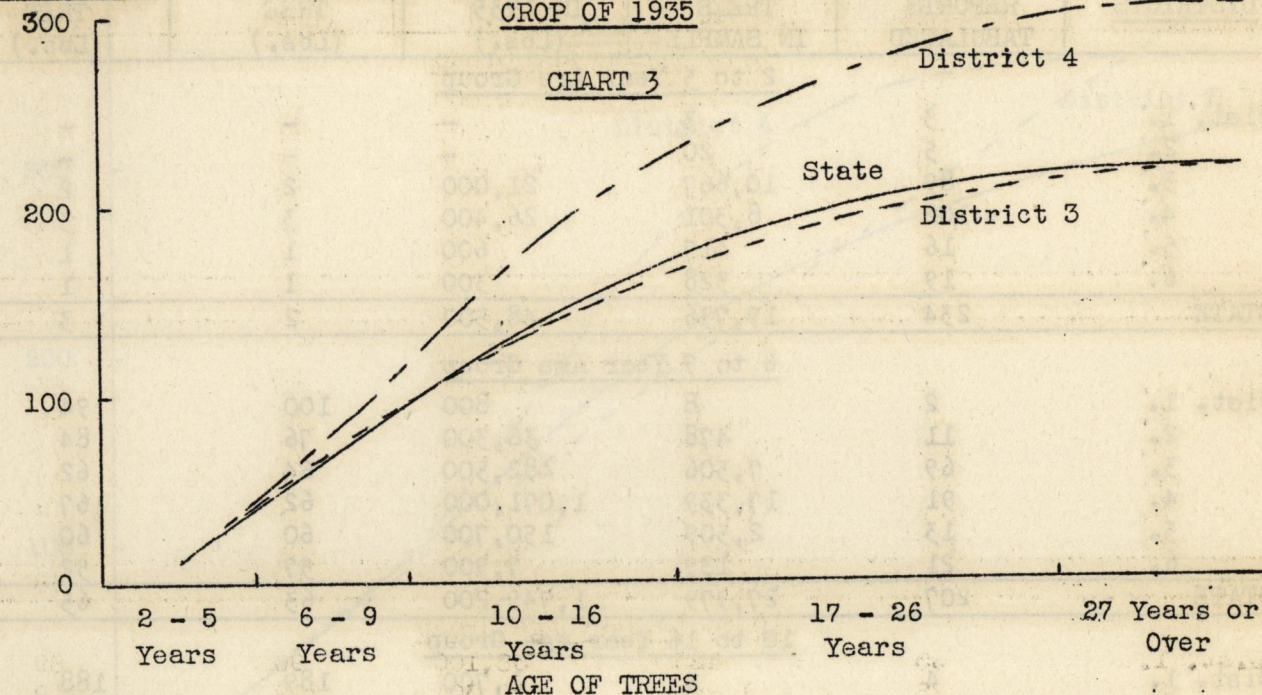
Table 5.

BARTLETT PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	58	191	2,000	10	10
2.	45	279	3,200	11	9
3.	93	16,407	228,200	14	15
4.	126	5,968	95,800	16	17
5.	138	3,536	13,000	4	3
6.	145	592	3,700	6	7
STATE	605	26,973	345,900	13	14
6 to 9 Year Age Group					
Dist. 1.	36	211	11,200	53	85
2.	34	1,112	75,600	68	68
3.	340	101,365	7,219,600	71	71
4.	204	41,773	2,870,100	69	67
5.	133	5,785	92,700	16	16
6.	177	1,005	44,000	44	45
STATE	924	151,251	10,313,200	68	68
10 to 16 Year Age Group					
Dist. 1.	63	423	38,100	90	89
2.	78	1,858	220,300	119	119
3.	736	246,846	32,222,900	131	131
4.	348	27,214	5,018,400	184	188
5.	313	7,046	406,500	58	58
6.	489	4,414	324,700	74	74
STATE	2,027	287,801	38,230,900	133	135
17 to 26 Year Age Group					
Dist. 1.	78	935	89,700	96	97
2.	132	3,146	558,500	178	171
3.	559	98,209	19,487,800	198	198
4.	433	22,978	6,219,500	271	273
5.	349	4,664	501,800	108	112
6.	633	3,063	300,400	98	99
STATE	2,184	132,995	27,157,700	204	203
27 Years or Older Age Group					
Dist. 1.	55	648	134,700	208	208
2.	35	789	134,300	170	160
3.	137	25,006	5,418,700	217	216
4.	110	3,637	1,083,200	298	302
5.	503	3,449	492,000	143	137
6.	1,162	5,473	597,400	109	109
STATE	2,002	39,002	7,860,300	202	211
Total - All Ages (1 Year or less excluded)					
Dist. 1.	290	2,408	275,700	114	106
2.	324	7,184	991,900	138	137
3.	1,865	487,833	64,577,200	132	127
4.	1,221	101,570	15,287,000	151	151
5.	1,436	24,480	1,506,000	62	57
6.	2,606	14,547	1,270,200	87	87
STATE	7,742	638,022	83,908,000	132	127

Pounds Per Tree
For Specified
Age Groups

BARTLETT PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



Of the 11,175 Bartlett Pear growing farms enumerated in the Survey, about 69 percent, or 7,742 farms reported Bartlett trees in only one age group. These 7,742 farms represented a total of 638,022 trees, or about 49 percent of the total of 1,296,941 Bartlett trees enumerated. The average yield per tree for each age group was derived from a relisting of the trees and production of the 7,742 farms.

In the 2 to 5 year age group, 605 farms reported 26,973 trees which averaged 14 pounds per tree, while in the 6 to 9 year group, 924 farms reported 151,251 trees which averaged 68 pounds per tree. Similarly, in the 10 to 16 year group, 2,027 farms reported 287,801 trees with an average of 135 pounds per tree; in the 17 to 26 year group, 2,184 farms reported 132,995 trees averaging 203 pounds per tree, and in the 27 year or older group, 2,002 farms reported 39,002 trees which averaged 211 pounds of Bartlett Pears per tree in 1935.

Table 6.
BARTLETT PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

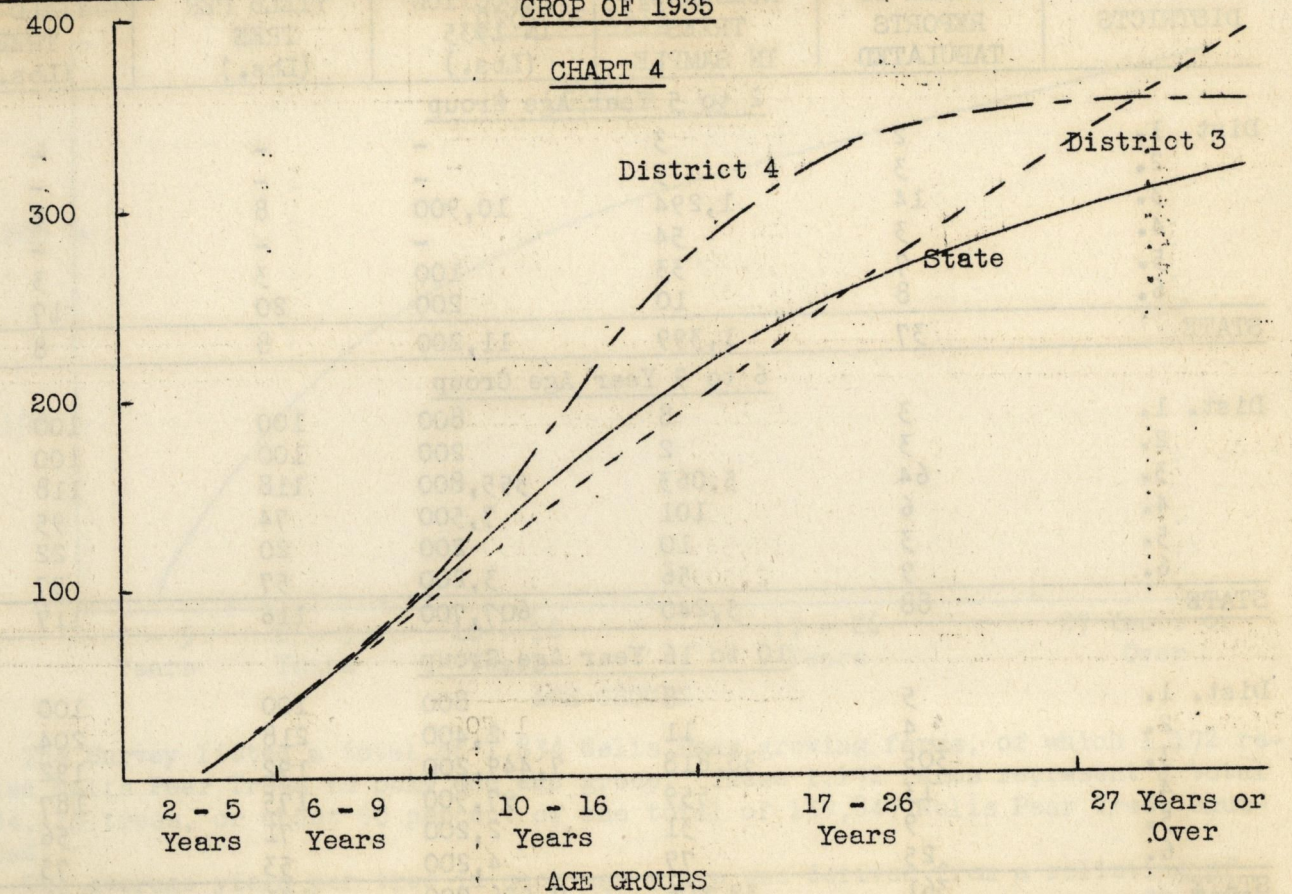
DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
-- Yield in Pounds --					
District 1.	10	85	89	97	208
District 2.	9	68	119	171	160
District 3.	15	71	131	198	216
District 4.	17	67	188	273	302
District 5.	3	16	58	112	137
District 6.	7	45	74	99	109
STATE AVERAGE	14	68	135	203	211

Table 7. D'ANJOU PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	3	3	-	-	-
2.	5	20	-	-	-
3.	89	10,667	21,000	2	2
4.	102	8,301	26,400	3	3
5.	16	417	600	1	1
6.	19	328	300	1	1
STATE	234	19,736	48,300	2	3
6 to 9 Year Age Group					
Dist. 1.	2	8	800	100	94
2.	11	478	36,300	76	84
3.	69	7,506	482,500	64	62
4.	91	17,339	1,071,000	62	67
5.	13	2,509	150,700	60	60
6.	21	139	7,900	57	52
STATE	207	27,979	1,749,200	63	65
10 to 16 Year Age Group					
Dist. 1.	4	9	1,700	189	188
2.	23	302	46,000	152	157
3.	156	16,534	2,441,400	148	147
4.	171	13,355	2,395,000	179	184
5.	18	900	74,200	82	111
6.	61	282	18,600	66	66
STATE	433	31,382	4,976,900	159	161
17 to 26 Year Age Group					
Dist. 1.	3	203	58,200	287	286
2.	39	882	184,700	209	245
3.	231	15,174	4,045,100	267	266
4.	234	11,080	3,719,900	336	338
5.	60	4,262	628,100	147	164
6.	52	286	22,800	80	93
STATE	619	31,887	8,658,800	272	262
27 Years or Older Age Group					
Dist. 1.	4	63	27,700	440	444
2.	13	174	63,500	365	363
3.	76	2,048	804,200	393	390
4.	40	813	286,800	353	353
5.	27	270	100,900	374	320
6.	60	1,526	83,000	54	56
STATE	220	4,894	1,366,100	279	319
Total - All Ages (1 Year or less excluded)					
Dist. 1.	16	286	88,400	309	254
2.	91	1,856	330,500	178	166
3.	621	51,929	7,794,200	150	131
4.	638	50,888	7,499,100	147	147
5.	134	8,358	954,500	114	131
6.	213	2,561	132,600	52	66
STATE	1,713	115,878	16,799,300	145	138

Pounds Per Tree
For Specified
Age Groups

D'ANJOU PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



A total of 2,792 D'Anjou Pear growing farms were enumerated in the Survey, of which 1,713 reported D'Anjou trees in only one age group. These 1,713 farms represented a total of 115,878 trees, or about 43 percent of the total of 269,476 D'Anjou trees enumerated.

The average yield per tree for each age group was derived from a relisting of the trees and production on the 1,713 farms. In the 2 to 5 year age group 234 farms reported 19,736 trees, which averaged 3 pounds per tree, while in the 6 to 9 year group 207 farms reported 27,979 trees, which averaged 65 pounds per tree. In the 10 to 16 year group 433 farms reported 31,382 trees, which averaged 161 pounds; in the 17 to 26 year group 619 farms reported 31,887 trees which averaged 262 pounds and in the 27 year old or older group 220 farms reported 4,894 trees, which averaged 319 pounds per tree in 1935.

Table 8. D'ANJOU PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
-- Yield in Pounds --					
District 1.	-	94	188	286	444
2.	-	84	157	245	363
3.	2	62	147	266	390
4.	3	67	184	338	353
5.	1	60	111	164	320
6.	1	52	66	93	56
STATE AVERAGE	3	65	161	262	319

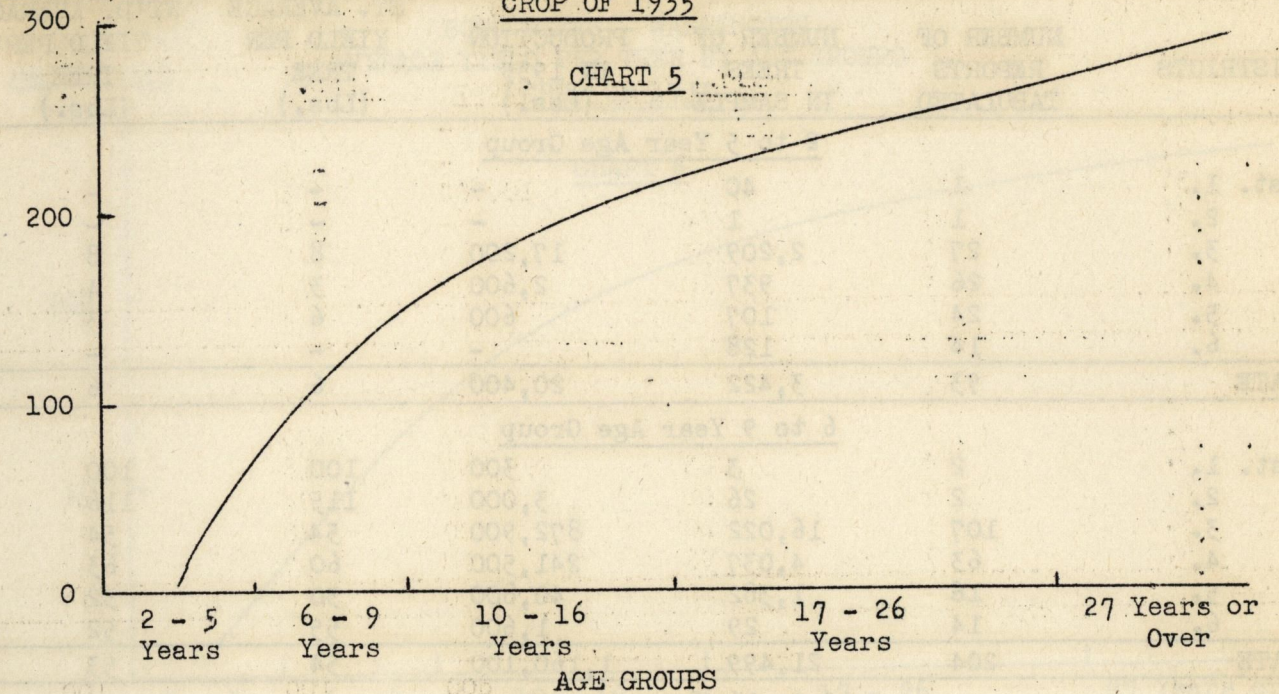
Table 9.

NELIS PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	2	3	-	-	-
2.	3	5	-	-	-
3.	14	1,294	10,900	8	8
4.	3	54	-	-	-
5.	7	33	100	3	3
6.	8	10	200	20	17
STATE	37	1,399	11,200	8	8
6 to 9 Year Age Group					
Dist. 1.	3	8	800	100	100
2.	3	2	200	100	100
3.	64	5,063	595,800	118	118
4.	6	101	7,500	74	95
5.	3	10	200	20	22
6.	9	56	3,200	57	57
STATE	88	5,240	607,700	116	117
10 to 16 Year Age Group					
Dist. 1.	5	8	800	100	100
2.	4	11	2,400	218	204
3.	305	38,818	7,449,200	192	192
4.	13	559	97,900	175	187
5.	9	31	2,200	71	56
6.	25	79	4,200	53	73
STATE	361	39,506	7,556,700	191	191
17 to 26 Year Age Group					
Dist. 1.	8	56	14,200	254	242
2.	13	84	26,300	313	279
3.	321	30,421	7,420,200	244	244
4.	33	677	218,900	323	323
5.	23	49	7,900	161	112
6.	33	162	20,700	128	136
STATE	431	31,449	7,708,200	245	244
27 Years or Older Age Group					
Dist. 1.	11	30	6,000	200	171
2.	3	9	2,800	311	297
3.	88	6,075	1,836,900	302	296
4.	7	55	23,500	427	396
5.	75	168	19,700	117	121
6.	71	194	23,700	122	125
STATE	255	6,531	1,912,600	293	289
Total - All Ages (1 Year or Less Excluded)					
Dist. 1.	29	105	21,800	208	186
2.	26	111	31,700	286	252
3.	792	81,671	17,313,000	212	205
4.	62	1,446	347,800	241	230
5.	117	291	30,100	103	80
6.	146	501	52,000	104	106
STATE	1,172	84,125	17,796,400	212	204

Pounds Per Tree
For Specified
Age Groups

NELIS PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



The Survey listed a total of 1,834 Nelis Pear growing farms, of which 1,172 reported Nelis Pear Trees in only one age group. These 1,172 farms represent a total of 84,125 trees, or about 60 percent of the total of 139,847 Nelis Pear Trees enumerated.

The average yield per tree in each age group was derived from a relisting of the trees and production on the 1,172 farms. In the 2 to 5 year age group 37 farms reported 1,399 trees, which averaged 8 pounds per tree. In the 6 to 9 year age group, 88 farms reported 5,240 trees, which averaged 117 pounds per tree, while in the 10 to 16 year group, 361 farms reported 39,506 trees, which averaged 191 pounds; 431 farms in the 17 to 26 year group reported 31,449 trees, averaging 244 pounds, and in the 27 year or older group 255 farms reported 6,531 trees, which averaged 289 pounds each in 1935.

Table 10. NELIS PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
- - Yield in Pounds - -					
District 1.	-	100	100	242	171
District 2.	-	100	204	279	297
District 3.	8	118	192	244	296
District 4.	-	95	187	323	396
District 5.	3	22	56	112	121
District 6.	17	57	73	136	125
STATE AVERAGE	8	117	191	244	289

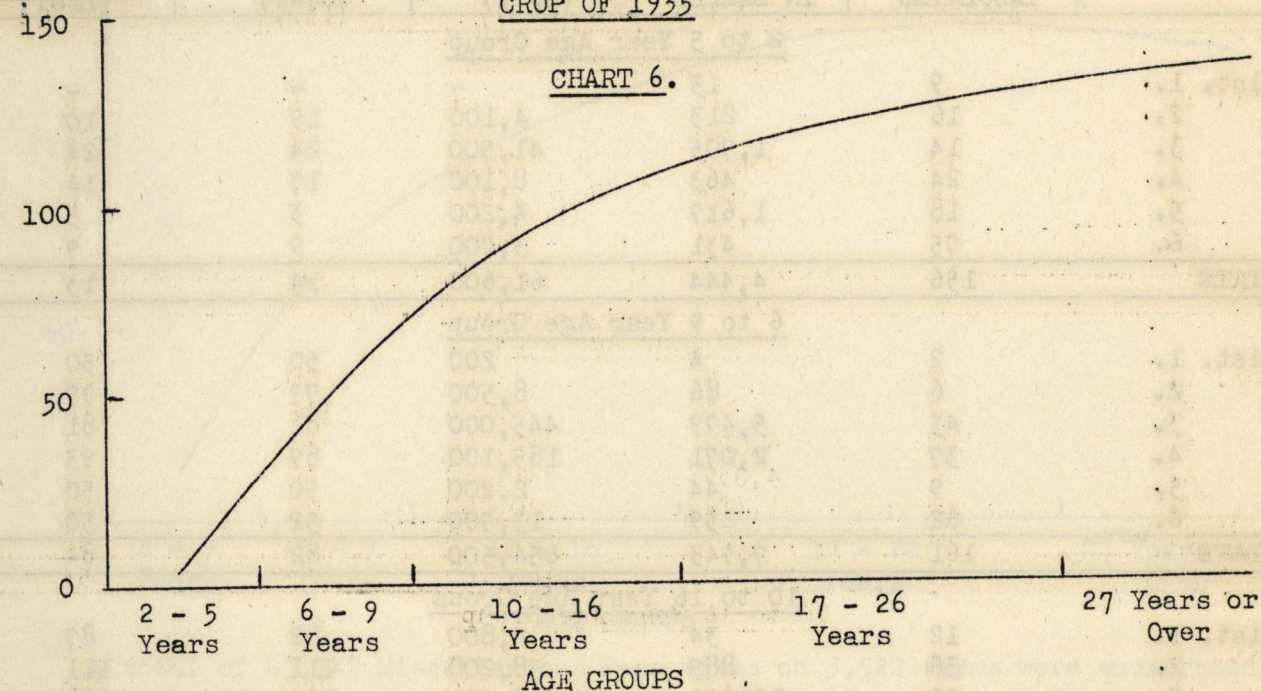
Table 11.

BOSC PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	1	40	-	-	-
2.	1	1	-	-	-
3.	27	2,209	17,200	8	8
4.	26	937	2,600	3	4
5.	24	107	600	6	3
6.	14	128	-	-	-
STATE	93	3,422	20,400	6	6
6 to 9 Year Age Group					
Dist. 1.	2	3	300	100	100
2.	2	26	3,000	115	116
3.	107	16,022	872,900	54	54
4.	63	4,037	241,500	60	63
5.	16	1,382	40,800	30	32
6.	14	29	1,600	55	52
STATE	204	21,499	1,160,100	54	53
10 to 16 Year Age Group					
Dist. 1.	-	-	-	-	-
2.	1	2	500	250	250
3.	139	27,893	2,516,800	90	89
4.	84	8,054	884,100	110	110
5.	37	834	58,900	71	76
6.	20	365	23,600	65	51
STATE	281	37,148	3,483,900	94	94
17 to 26 Year Age Group					
Dist. 1.	-	-	-	-	-
2.	5	22	3,300	150	135
3.	31	3,054	367,300	120	120
4.	33	1,861	284,100	153	152
5.	15	650	39,300	60	72
6.	18	110	8,600	78	111
STATE	102	5,697	702,600	123	122
27 Years or Older Age Group					
Dist. 1.	-	-	-	-	-
2.	-	-	-	-	-
3.	9	992	120,000	121	121
4.	4	62	16,700	269	269
5.	22	76	8,700	114	164
6.	29	79	7,600	96	105
STATE	64	1,209	153,000	127	135
Total - All Ages (1 Year or Less Excluded)					
Dist. 1.	3	43	300	7	7
2.	9	51	6,800	133	121
3.	313	50,170	3,894,200	78	74
4.	210	14,951	1,429,000	96	90
5.	114	3,049	148,300	49	47
6.	95	711	41,400	58	62
STATE	744	68,975	5,520,000	80	76

Pounds Per Tree
For Specified
Age Groups

BOSC PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



Of the total of 1,135 farms reporting Bosc Pear trees in the Survey, 744 or about 66 percent, reported Bosc Pear trees in only one age group. These 744 farms represent a total of 68,975 trees, or about 64 percent of the total of 107,959 Bosc Pear trees enumerated.

The average yield per tree in each age group was derived from a relisting of the trees and production on the 744 farms. In the 2 to 5 year age group, 93 farms reported 3,422 trees, which averaged 6 pounds per tree. The 21,499 trees in the 6 to 9 year age group on 204 farms averaged 53 pounds per tree, while 37,148 trees in the 10 to 16 year group on 281 farms averaged 94 pounds. In the 17 to 26 year group 5,697 trees on 102 farms averaged 122 pounds, and in the 27 year or older group 1,209 trees on 64 farms averaged 135 pounds per tree in 1935.

Table 12.
BOSC PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds --					
District 1.	-	100	-	-	-
District 2.	-	116	250	135	-
District 3.	8	54	89	120	121
District 4.	4	63	110	152	269
District 5.	3	32	76	72	164
District 6.	-	52	51	111	105
STATE	6	53	94	122	135

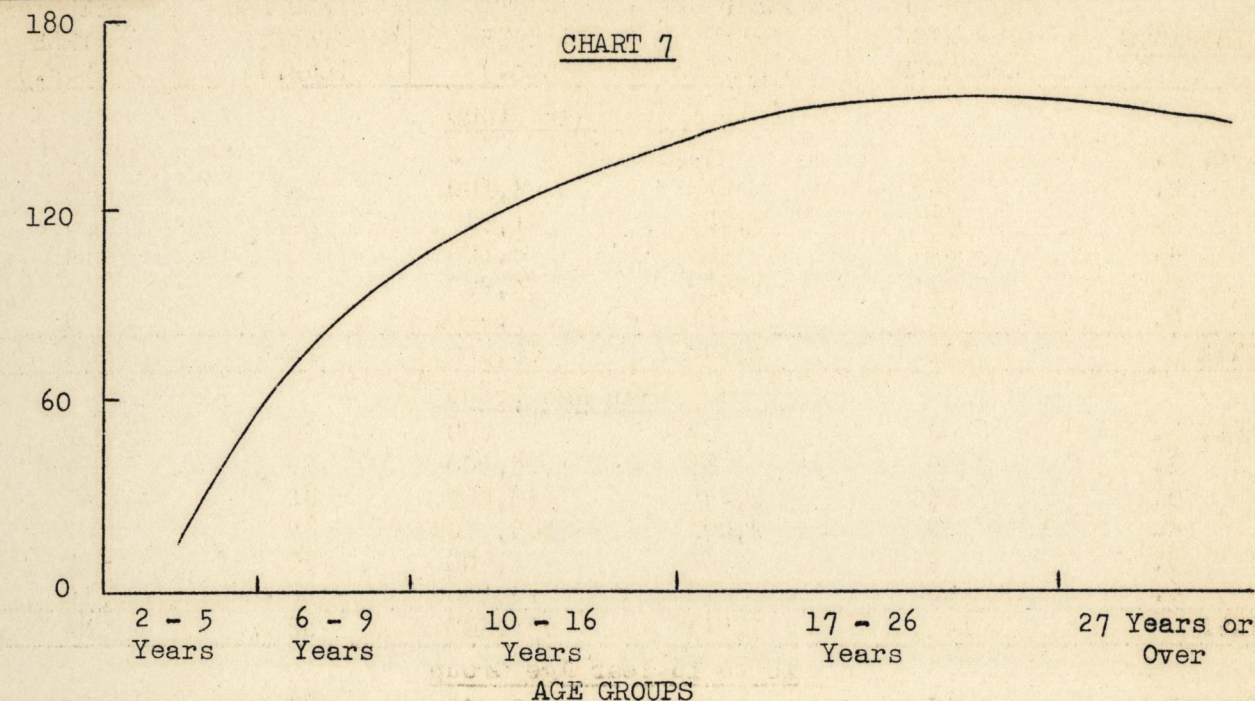
Table 13.

MISCELLANEOUS PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Dist. 1.	9	13	-	-	-
2.	16	213	4,100	19	10
3.	14	1,705	41,500	24	24
4.	24	463	8,100	17	14
5.	18	1,619	4,200	3	3
6.	75	431	3,700	9	9
STATE	156	4,444	61,600	14	13
6 to 9 Year Age Group					
Dist. 1.	2	4	200	50	50
2.	6	86	8,500	99	99
3.	45	5,479	445,000	81	81
4.	37	2,071	185,100	89	93
5.	9	44	2,200	50	50
6.	62	259	13,500	52	50
STATE	161	7,943	654,500	82	84
10 to 16 Year Age Group					
Dist. 1.	12	34	2,800	82	87
2.	36	885	98,200	111	111
3.	92	12,203	1,498,900	123	123
4.	68	3,863	519,000	134	139
5.	45	519	37,100	71	71
6.	183	935	56,100	60	62
STATE	436	18,439	2,212,100	120	122
17 to 26 Year Age Group					
Dist. 1.	19	63	7,400	117	132
2.	51	621	103,900	167	163
3.	29	1,350	195,100	145	144
4.	76	1,755	465,500	265	256
5.	88	667	66,300	99	94
6.	338	1,899	139,000	73	72
STATE	601	6,355	977,200	154	155
27 Years or Older Age Group					
Dist. 1.	19	102	9,500	93	100
2.	14	331	67,000	202	201
3.	12	61	15,200	249	244
4.	36	515	132,500	257	261
5.	225	1,040	216,200	208	205
6.	808	3,747	378,100	101	98
STATE	1,114	5,796	818,500	141	150
Total - All Ages (1 Year or less excluded)					
Dist. 1.	61	216	19,900	92	117
2.	123	2,136	281,700	132	128
3.	192	20,798	2,195,700	106	108
4.	241	8,667	1,310,200	151	148
5.	385	3,889	326,000	84	89
6.	1,466	7,271	590,400	81	79
STATE	2,468	42,977	4,723,900	110	114

Pounds Per Tree
For Specified
Age Groups

ALL MISCELLANEOUS PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935



A total of 63,947 Miscellaneous Pear trees on 3,522 farms were enumerated in the Survey. Of this number 42,977 trees, or about 67 percent of the total, were reported in only one age group on 2,468 or about 70 percent of the total number of farms.

The average yield per tree in each age group was derived from a relisting of the trees and production on the 2,468 farms. In the 2 to 5 year age group 156 farms reported 4,444 trees averaging 13 pounds each. In the 6 to 9 year group, 161 farms reported 7,943 trees averaging 84 pounds each, while in the 10 to 16 year age group 436 farms reported 18,439 trees averaging 122 pounds. 601 farms in the 17 to 26 year group reported 6,355 trees with an average of 155 pounds, and in the 27 year or older group, 1,114 farms reported 5,796 trees, which averaged 150 pounds per tree in 1935.

Table 14.

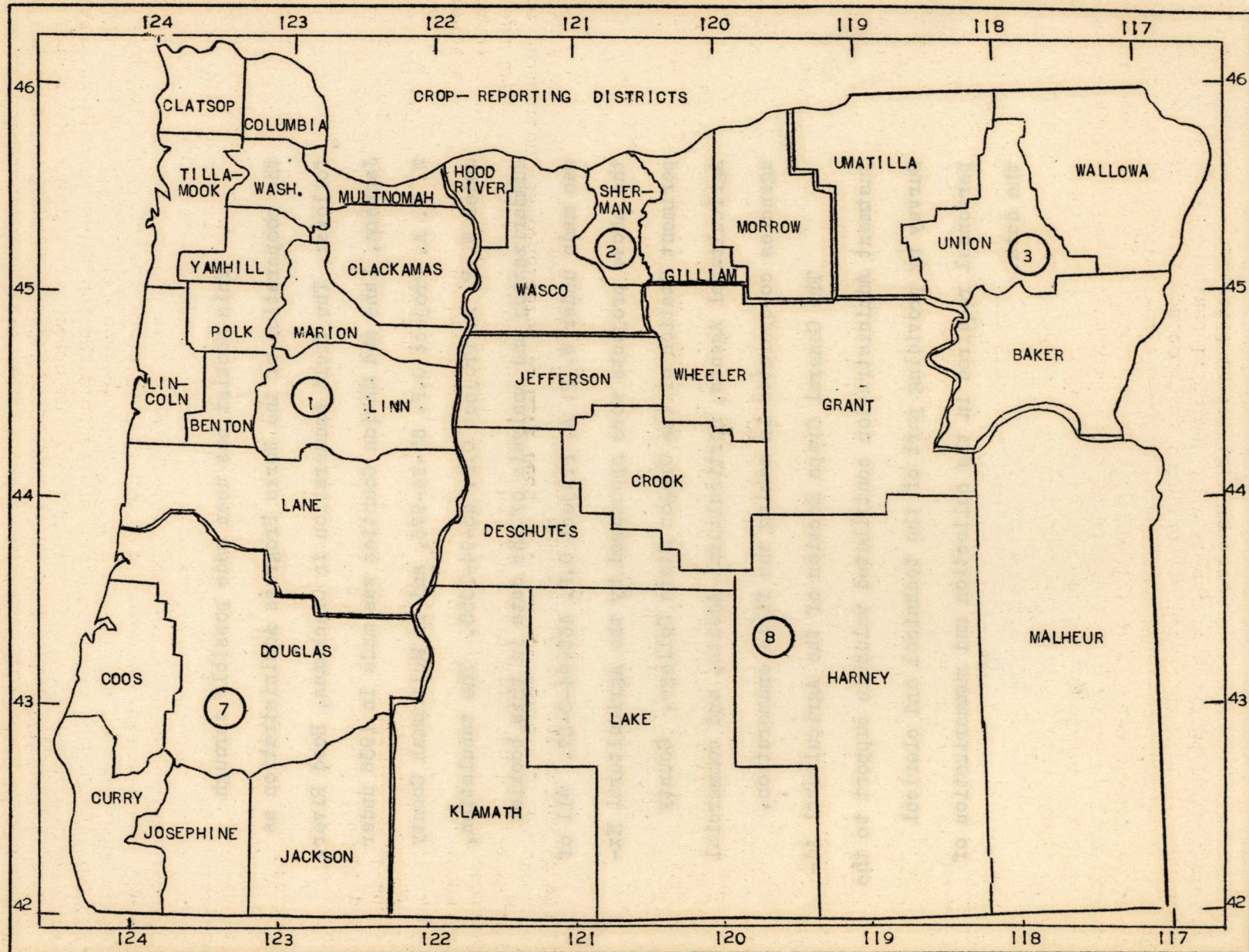
ALL MISCELLANEOUS PEARS - WASHINGTON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

DISTRICTS	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
-- Yield in Pounds --					
District 1.	-	50	87	132	100
District 2.	10	99	111	163	201
District 3.	24	81	123	144	244
District 4.	14	93	139	256	261
District 5.	3	50	71	94	205
District 6.	9	50	62	72	98
STATE	13	84	122	155	150

This booklet has been made possible through the cooperation of the Works Progress Administration as follows: The field enumeration in Clackamas, Hood River, Jackson, Lane and Marion Counties was made in 1936 under W. P. A. Project O.P. 65-94-976, and in Multnomah County under W. P. A. Project O.P. 65-94-1053. The tabulation, summarization and analysis of the data in this booklet was made under W. P. A. Project O.P. 465-94-3-27. All of the above projects were sponsored by the Agricultural Experiment Station of the Oregon State College. County Agricultural Agents, Horticultural Agents, and commercial agencies co-operated in making the field enumeration.

The General Crops Section of the Agricultural Adjustment Administration contributed valuable support to the Survey by providing part of the technical and clerical personnel required in the collection and summarization of the data.

OREGON



I N T R O D U C T I O N

The data shown in this booklet for Pears are a by-product of the results obtained from the Special Pacific Northwest Fruit Tree and Berry Acreage Survey conducted in six counties of Oregon in 1936. In this Survey the fruit trees were enumerated by kind, variety and age groups, and the production by kind and variety, for 1935. In this booklet the average yields per tree for the crop of 1935, as reported by growers, are shown for varieties and age groups for the six counties enumerated. Since the data are for one year only, the entire yield level might be either higher or lower for any other year, though 1935 is considered about average so far as yields are concerned. Individual orchards may vary greatly from the yields shown, though it is believed that the data give a rather reliable indication of the effect of increasing age upon the yields of Pear trees in the State of Oregon. The yields shown include graded fruit, culls, and that part of the crop which was unharvested.

In many cases growers reported trees of a certain variety of Pears in only one age group. From these reports it was possible to determine the yield per tree by age groups and varieties on the basis of a considerable proportion of the total trees enumerated. In preparing the data in this booklet the number of trees of a single age group, with their production in 1935, were relisted by varieties and age groups and the average yields derived by counties and total. In some cases the enumerators were able to secure the number of trees but not the amount produced by those trees in 1935. In such cases, if the trees were from two to five years old, the production was considered to have been "0". In the age groups for trees older than five years, a report showing no production was edited out unless it was clearly shown by the schedule that the crop had actually failed.

The straight average yield per tree derived in each county by age group and variety was weighted by the total number of trees enumerated for that age group and variety in the county. The sum of the extensions for the six counties was then divided by the sum of the weights to arrive at the weighted average yield per tree for the particular variety and age group. In this manner counties in which large numbers of trees were enumerated were given their proportionate importance relative to the average yield per tree. To test the weighted average yields per tree, the total number of trees enumerated in each age group in the six counties was multiplied by the derived average yields in the age group, and the total accumulated production was compared with the total production enumerated for that particular variety. The accumulated computed production by varieties ranged from 3 percent below for D'Anjous to 2 percent above the enumerated production for Bartletts. In preparing the Charts found on the odd numbered pages of this booklet, the weighted average yields per tree were used, while the Tables below the Chart show both the weighted and straight average. The yields shown were derived from a purely mathematical procedure based on reports from growers.

While a total of 18 counties were enumerated in the Oregon Fruit Survey, 12 of the 18 were enumerated in 1935 and 6 were enumerated in 1936. In order to provide a comparable comparison with reported yields in the State of Washington, only those Oregon counties are included in this booklet which were enumerated in 1936 and for which the production was shown for the crop of 1935, the same as in the State of Washington. The six Oregon counties comprise the principal Pear growing areas in the State, as they contained 1,153,847 Pear trees, or about 86 percent of the total of 1,345,612 trees enumerated in the 18 counties.

C. J. BORUM, Agricultural Statistician
In Charge

PAUL C. NEWMAN, Associate Statistician

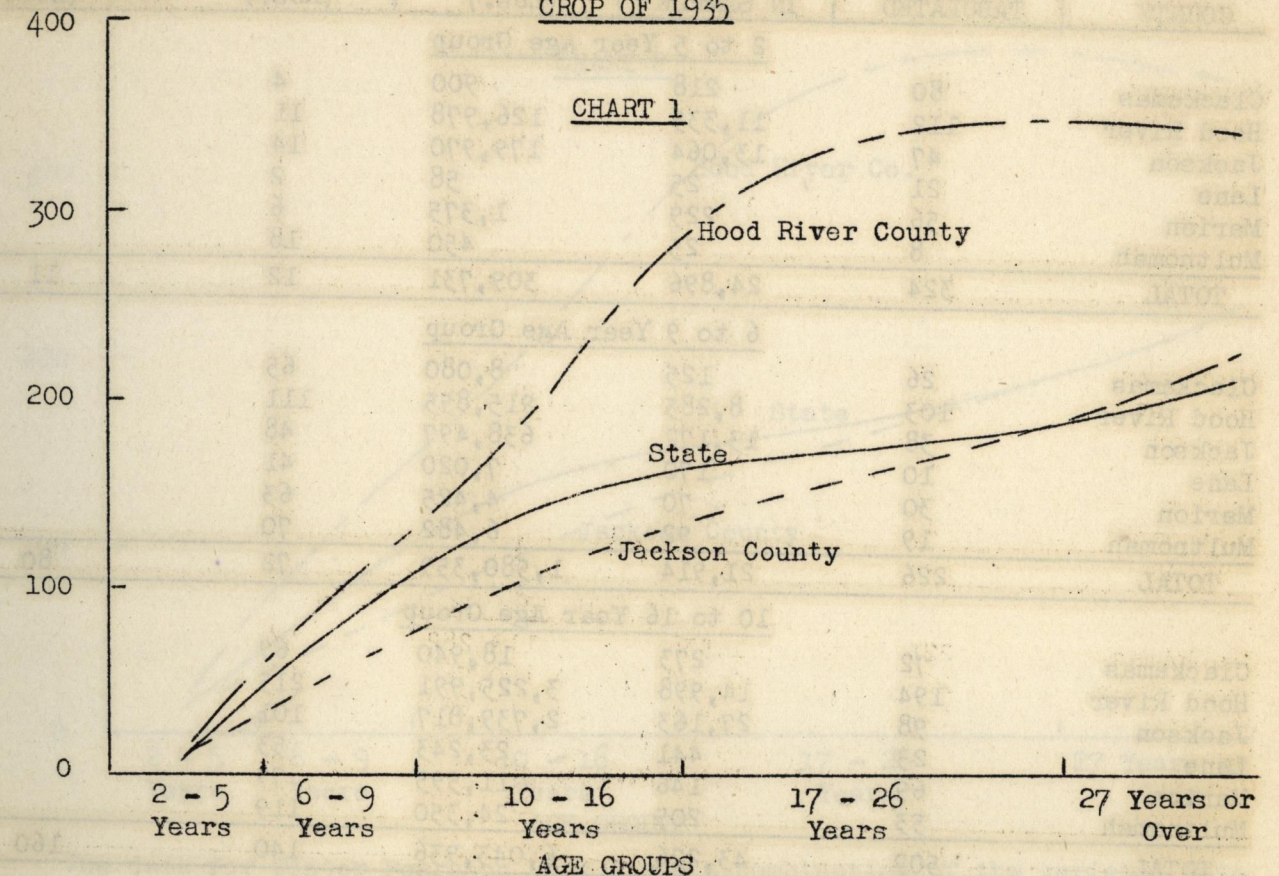
C. J. HELTEMES, Assistant Statistician

Table 1. ALL PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

NAME of COUNTY	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Clackamas	188	2,318	3,150	1	
Hood River	186	21,498	299,453	14	
Jackson	63	15,307	186,246	12	
Lane	61	132	876	7	
Marion	182	1,370	9,175	7	
Multnomah	19	67	950	14	
TOTAL	699	40,692	499,850	12	12
6 to 9 Year Age Group					
Clackamas	90	696	40,230	58	
Hood River	181	17,317	1,721,220	99	
Jackson	54	22,487	1,219,719	54	
Lane	40	1,623	56,455	35	
Marion	120	1,527	73,265	48	
Multnomah	40	378	18,586	49	
TOTAL	525	44,028	3,129,475	71	77
10 to 16 Year Age Group					
Clackamas	225	1,538	113,282	74	
Hood River	263	20,749	4,160,768	201	
Jackson	149	38,474	4,253,603	111	
Lane	73	1,379	88,393	64	
Marion	271	5,734	409,729	71	
Multnomah	162	1,466	128,222	87	
TOTAL	1,143	69,340	9,153,997	132	149
17 to 26 Year Age Group					
Clackamas	407	2,207	205,774	93	
Hood River	171	9,410	3,187,883	339	
Jackson	502	172,725	27,285,972	158	
Lane	125	2,083	180,416	87	
Marion	286	3,811	373,465	98	
Multnomah	344	2,912	335,143	115	
TOTAL	1,835	193,148	31,568,653	163	171
27 Years or Older Age Group					
Clackamas	778	4,831	433,926	90	
Hood River	70	2,384	807,828	339	
Jackson	165	56,795	12,650,623	223	
Lane	104	581	66,966	115	
Marion	344	2,401	260,274	108	
Multnomah	305	3,366	517,585	154	
TOTAL	1,766	70,358	14,737,202	209	208
Total - All Ages (1 Year or less Excluded)					
Clackamas	1,688	11,590	796,362	69	
Hood River	871	71,358	10,177,152	143	
Jackson	933	305,788	45,596,163	149	
Lane	403	5,798	393,106	68	
Marion	1,203	14,843	1,125,908	76	
Multnomah	870	8,189	1,000,486	122	
TOTAL	5,968	417,566	59,089,177	142	134

Pounds Per Tree
For Specified
Age Groups

ALL PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



The data presented for All Pears on Page 2 are a combination of varietal data found on Pages 6, 8, 10 and 12. The Survey in the 6 counties enumerated a total of 5,326 Pear growing farms, but many farms grew more than one variety of Pears and the sum of the varietal reports exceeds the total number of farms reporting Pear trees. The average yield per tree for each age group was derived from a relisting of the trees and production from 5,968 reports. In the 2 to 5 year age group 40,692 Pear trees of all varieties averaged 12 pounds per tree, while 44,028 trees in the 6 to 9 year group averaged 77 pounds. In the 10 to 16 year group 69,340 trees averaged 149 pounds; in the 17 to 26 year group 193,148 trees averaged 171 pounds, and in the 27 year or older group 70,358 trees averaged 208 pounds each in 1935.

Table 2. ALL PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

COUNTIES	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years or Over
Yield in Pounds					
Clackamas	1	58	74	93	90
Hood River	14	99	201	339	339
Jackson	12	54	111	158	223
Lane	7	35	64	87	115
Marion	7	48	71	98	108
Multnomah	14	49	87	115	154
STRAIGHT AVG.	12	71	132	163	209
WEIGHTED AVG.	12	77	149	171	208

Table 3.

WINTER PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

NAME of COUNTY	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Clackamas	80	218	900	4	
Hood River	112	11,335	126,978	11	
Jackson	47	13,064	179,970	14	
Lane	21	25	58	2	
Marion	56	229	1,375	6	
Multnomah	8	25	450	18	
TOTAL	324	24,896	309,731	12	11
6 to 9 Year Age Group					
Clackamas	26	125	8,080	65	
Hood River	103	8,285	915,855	111	
Jackson	38	13,172	638,497	48	
Lane	10	170	7,020	41	
Marion	30	70	4,425	63	
Multnomah	19	92	6,482	70	
TOTAL	226	21,914	1,580,359	72	80
10 to 16 Year Age Group					
Clackamas	72	273	18,940	69	
Hood River	194	14,998	3,225,991	215	
Jackson	98	27,163	2,739,817	101	
Lane	23	441	23,243	53	
Marion	69	146	11,595	79	
Multnomah	53	205	24,350	119	
TOTAL	509	43,226	6,043,936	140	160
17 to 26 Year Age Group					
Clackamas	142	793	65,023	82	
Hood River	127	8,088	2,872,928	355	
Jackson	332	103,119	16,304,802	158	
Lane	38	297	25,425	86	
Marion	86	796	65,642	82	
Multnomah	134	1,086	131,946	121	
TOTAL	859	114,179	19,465,766	170	183
27 Years or Older Age Group					
Clackamas	292	1,884	141,687	75	
Hood River	51	2,045	711,616	348	
Jackson	115	37,878	8,620,269	228	
Lane	38	108	13,645	126	
Marion	116	440	47,000	107	
Multnomah	95	573	88,542	155	
TOTAL	707	42,928	9,622,759	224	219
Total - All Ages (1 Year or less Excluded)					
Clackamas	612	3,293	234,630	71	
Hood River	587	44,751	7,853,368	175	
Jackson	630	194,396	28,483,355	147	
Lane	130	1,041	69,391	67	
Marion	357	1,681	130,037	77	
Multnomah	309	1,981	251,770	127	
TOTAL	2,625	247,143	37,022,551	150	140

Pounds Per Tree
For Specified
Age Groups

400

300

200

100

0

2 - 5
Years6 - 9
Years10 - 16
Years17 - 26
Years27 Years or
Over

CHART 2

Hood River Co.

State

Jackson County

AGE GROUPS

The data for Winter Pears on Page 4 are a combination of the varietal data for D'Anjou, Bosc and Miscellaneous Pears found on succeeding pages. Consequently, the sum of the varietal reports exceeds the total number of farms reporting Winter Pears, as some farms grew more than one variety.

The average yields per tree begin at 11 pounds in the 2 to 5 year age group, as reported by growers for 24,896 trees, and rise to 80 pounds in the 6 to 9 year group; while in the 10 to 16 year group 43,226 trees averaged 160 pounds; 114,179 trees in the 17 to 26 year group averaged 183 pounds, and in the 27 year or older group 42,928 trees averaged 219 pounds. The yields referred to are the weighted average yields for the 6 counties shown in the Table.

Table 4.

WINTER PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

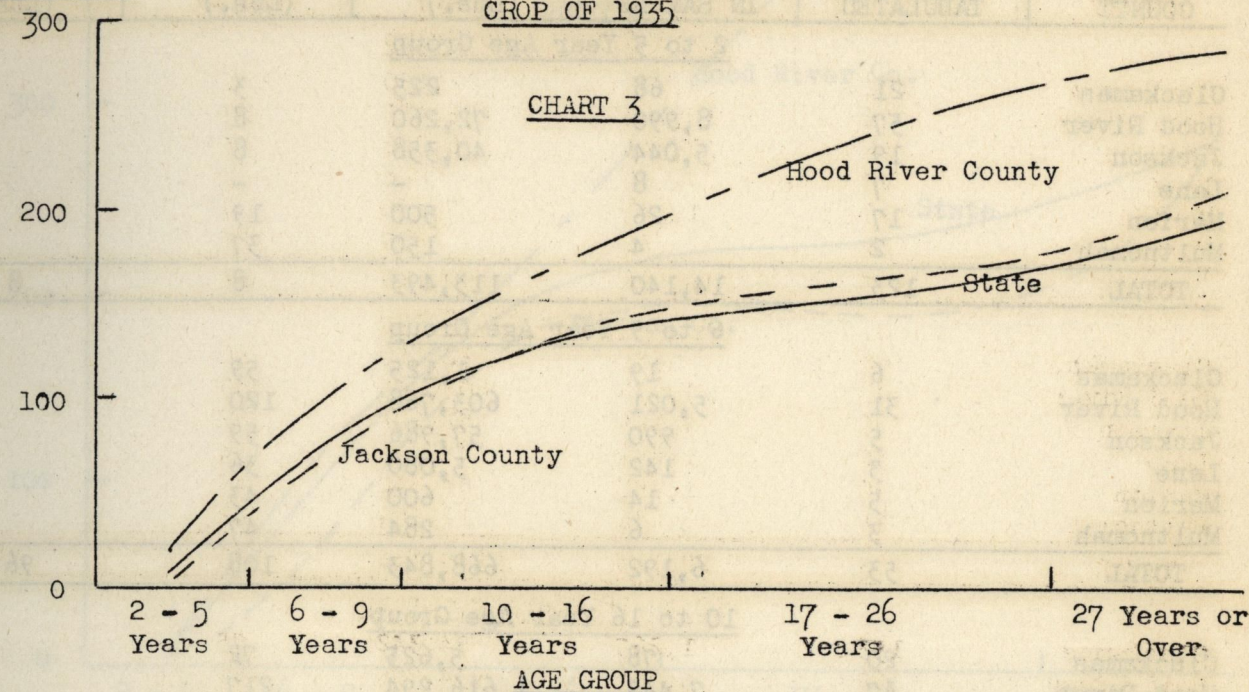
COUNTIES	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds					
Clackamas	4	65	69	82	75
Hood River	11	111	215	355	348
Jackson	14	48	101	158	228
Lane	2	41	53	86	126
Marion	6	63	79	82	107
Multnomah	18	70	119	121	155
STRAIGHT AVG.	12	72	140	170	224
WEIGHTED AVG.	11	80	160	183	219

Table 5. BARTLETT PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

NAME of COUNTY	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Clackamas	108	2,100	2,250	1	
Hood River	74	10,163	172,475	17	
Jackson	16	2,243	6,276	3	
Lane	40	107	818	8	
Marion	126	1,141	7,800	7	
Multnomah	11	42	500	12	
TOTAL	375	15,796	190,119	12	13
6 to 9 Year Age Group					
Clackamas	64	571	32,150	56	
Hood River	78	9,032	805,365	89	
Jackson	16	9,315	581,222	62	
Lane	30	1,453	49,435	34	
Marion	90	1,457	68,840	47	
Multnomah	21	286	12,104	42	
TOTAL	299	22,114	1,549,116	70	73
10 to 16 Year Age Group					
Clackamas	153	1,265	94,342	75	
Hood River	69	5,751	934,777	163	
Jackson	51	11,311	1,513,786	134	
Lane	50	938	65,150	69	
Marion	202	5,588	398,134	71	
Multnomah	109	1,261	103,872	82	
TOTAL	634	26,114	3,110,061	119	127
17 to 26 Year Age Group					
Clackamas	265	1,414	140,751	100	
Hood River	44	1,322	314,955	238	
Jackson	170	69,606	10,981,170	158	
Lane	87	1,786	154,991	87	
Marion	200	3,015	307,823	102	
Multnomah	210	1,826	203,197	111	
TOTAL	976	78,969	12,102,887	153	152
27 Years or Older Age Group					
Clackamas	486	2,947	292,239	99	
Hood River	19	339	96,212	284	
Jackson	50	18,917	4,030,354	213	
Lane	66	473	53,321	113	
Marion	228	1,961	213,274	109	
Multnomah	210	2,793	429,043	154	
TOTAL	1,059	27,430	5,114,443	186	192
Total - All Ages (1 Year or less Excluded)					
Clackamas	1,076	8,297	561,732	68	
Hood River	284	26,607	2,323,784	87	
Jackson	303	111,392	17,112,808	154	
Lane	273	4,757	323,715	68	
Marion	846	13,162	995,871	76	
Multnomah	561	6,208	748,716	121	
TOTAL	3,343	170,423	22,066,626	129	124

Pounds Per Tree
For Specified
Age Groups

BARTLETT PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



In the Survey 3,343 farms reported having Bartlett Pear trees in only one age group. These 3,343 farms represented a total of 170,423 trees over one year old, or about 40 percent of the total of 429,360 Bartlett Pear trees of all ages enumerated in the six counties. The average yield per tree of each age group was derived from a relisting of the trees and production on the 3,343 farms.

In the 2 to 5 year age group 375 farms reported 15,796 trees which yielded an average of 13 pounds per tree in 1935. In the 6 to 9 year group 299 farms reported 22,114 trees which averaged 73 pounds; in the 10 to 16 year group 634 farms reported 26,114 trees which averaged 127 pounds; in the 17 to 26 year group 976 farms reported 78,969 trees which averaged 152 pounds, and in the 27 year or older group 1,059 farms reported 27,430 trees which yielded an average of 192 pounds per tree.

Table 6. BARTLETT PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

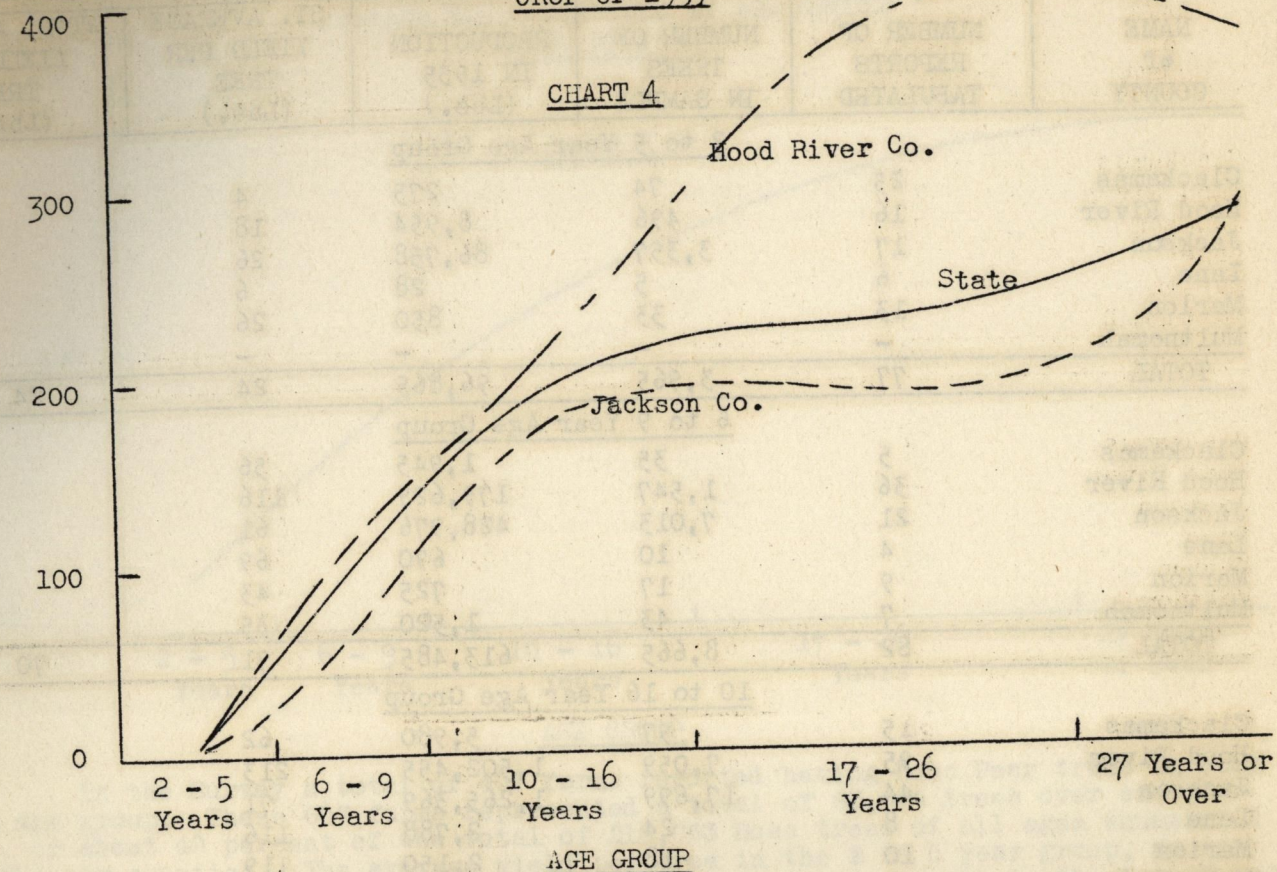
COUNTIES	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds					
Clackamas	1	56	75	100	99
Hood River	17	89	163	238	284
Jackson	3	62	134	158	213
Lane	8	34	69	87	113
Marion	7	47	71	102	109
Multnomah	12	42	82	111	154
STRAIGHT AVG.	12	70	119	153	186
WEIGHTED AVG.	13	73	127	152	192

Table 7. D'ANJOU PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

NAME of COUNTY	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Clackamas	21	68	225	3	
Hood River	57	8,990	72,260	8	
Jackson	19	5,044	40,358	8	
Lane	7	8	-	-	
Marion	17	26	500	19	
Multnomah	2	4	150	37	
TOTAL	123	14,140	113,493	8	8
6 to 9 Year Age Group					
Clackamas	6	19	1,125	59	
Hood River	31	5,021	603,768	120	
Jackson	5	990	57,986	59	
Lane	3	142	5,080	36	
Marion	5	14	600	43	
Multnomah	3	6	284	47	
TOTAL	53	6,192	668,843	108	96
10 to 16 Year Age Group					
Clackamas	20	78	5,625	72	
Hood River	67	7,449	1,616,294	217	
Jackson	34	7,032	1,289,938	183	
Lane	3	55	1,925	35	
Marion	13	30	1,975	66	
Multnomah	6	22	2,604	118	
TOTAL	143	14,666	2,918,361	199	205
17 to 26 Year Age Group					
Clackamas	36	284	22,008	77	
Hood River	55	6,254	2,443,092	391	
Jackson	128	42,237	7,701,286	182	
Lane	17	214	15,565	73	
Marion	14	81	6,708	83	
Multnomah	20	255	30,080	118	
TOTAL	270	49,325	10,218,739	207	225
27 Years or Older Age Group					
Clackamas	35	193	17,196	89	
Hood River	25	1,330	497,852	374	
Jackson	46	15,423	4,420,868	287	
Lane	10	19	2,103	111	
Marion	13	27	4,225	156	
Multnomah	15	93	20,782	223	
TOTAL	144	17,085	4,963,026	290	280
Total - All Ages (1 Year or less Excluded)					
Clackamas	118	642	46,179	72	
Hood River	235	29,044	5,233,266	180	
Jackson	232	70,726	13,510,436	191	
Lane	40	438	24,673	56	
Marion	62	178	14,008	79	
Multnomah	46	380	53,900	142	
TOTAL	733	101,408	18,882,462	186	159

Pounds Per Tree
For Specified
Age Groups

D'ANJOU PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



The Survey listed a total of 733 farms which reported having D'Anjou Pear trees in only one age group. These 733 farms represented a total of 101,408 trees, or about 27 percent of the total of 368,591 D'Anjou trees enumerated in the six counties.

In the 2 to 5 year group the average yield from 14,140 trees was 8 pounds per tree, while 6,192 trees in the 6 to 9 year group averaged 96 pounds. In the 10 to 16 year group 14,666 trees averaged 205 pounds; 49,325 trees in the 17 to 26 year group averaged 225 pounds, and in the 27 year or older group 17,085 trees averaged 280 pounds. The Survey indicated that in 1935 D'Anjous yielded an average of 159 pounds per tree of all ages above one year, compared with 124 pounds for Bartletts, 140 pounds for All Winter Pears and 134 pounds for All Pears.

Table 8. D'ANJOU PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

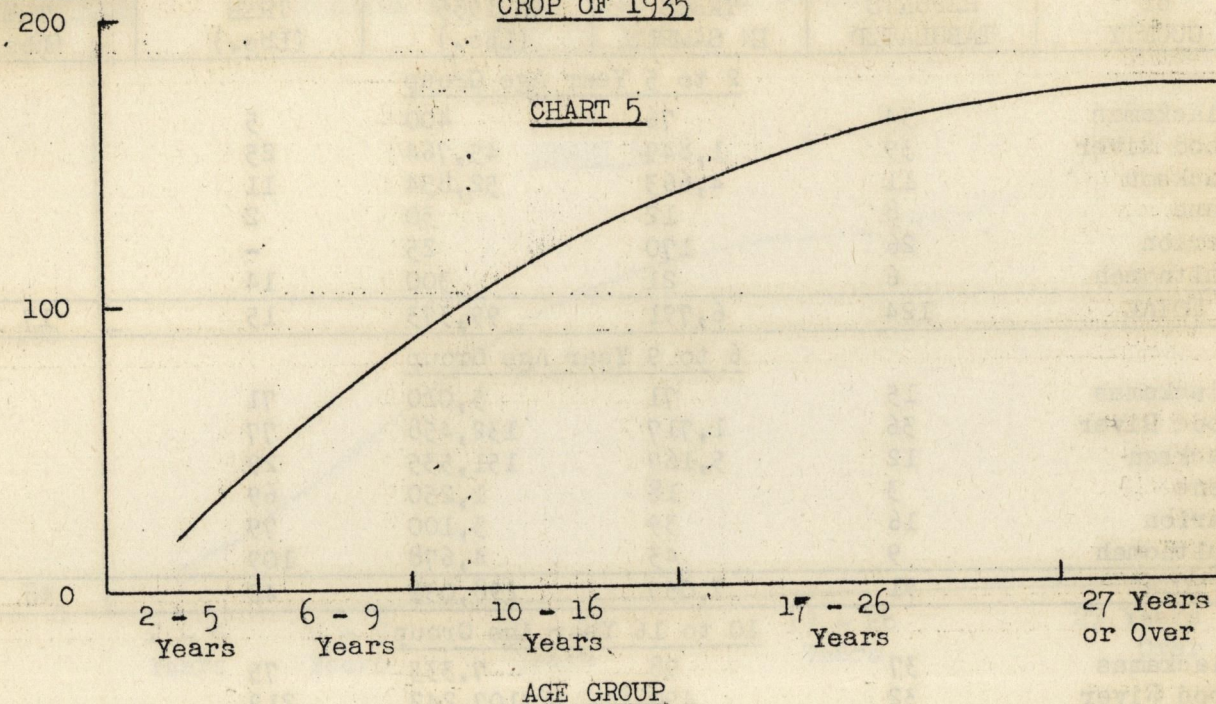
COUNTIES	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds					
Clackamas	3	59	72	77	89
Hood River	8	120	217	391	374
Jackson	8	59	183	182	287
Lane	-	36	35	73	111
Marion	19	43	66	83	156
Multnomah	37	47	118	118	223
STRAIGHT AVG.	8	108	199	207	290
WEIGHTED AVG.	8	96	205	225	280

Table 9. BOSC PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

NAME of COUNTY	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
2 to 5 Year Age Group					
Clackamas	25	74	275	4	
Hood River	16	496	8,954	18	
Jackson	17	3,357	86,758	26	
Lane	6	5	28	6	
Marion	13	33	850	26	
Multnomah	-	-	-	-	
TOTAL	77	3,965	96,865	24	24
6 to 9 Year Age Group					
Clackamas	5	35	1,945	56	
Hood River	36	1,547	179,629	116	
Jackson	21	7,013	428,976	61	
Lane	4	10	690	69	
Marion	9	17	725	43	
Multnomah	7	43	1,520	35	
TOTAL	82	8,665	613,485	71	70
10 to 16 Year Age Group					
Clackamas	15	97	5,980	62	
Hood River	95	7,059	1,502,455	213	
Jackson	44	17,699	1,265,369	71	
Lane	8	24	2,788	116	
Marion	10	18	2,150	119	
Multnomah	5	8	1,136	142	
TOTAL	177	24,905	2,779,878	112	116
17 to 26 Year Age Group					
Clackamas	17	48	5,243	109	
Hood River	29	1,283	273,232	213	
Jackson	93	32,785	5,158,458	157	
Lane	3	4	650	162	
Marion	21	350	22,977	66	
Multnomah	13	138	15,414	112	
TOTAL	176	34,608	5,475,974	158	159
27 Years or Older Age Group					
Clackamas	36	356	10,744	30	
Hood River	7	240	34,746	145	
Jackson	29	10,279	1,802,898	175	
Lane	4	6	792	132	
Marion	8	18	3,550	197	
Multnomah	11	37	6,414	173	
TOTAL	95	10,936	1,859,144	170	173
Total - All Ages (1 Year or less Excluded)					
Clackamas	98	610	24,187	40	
Hood River	183	10,625	1,999,016	188	
Jackson	204	71,133	8,742,459	123	
Lane	25	49	4,948	101	
Marion	61	436	30,252	69	
Multnomah	36	226	24,484	108	
TOTAL	607	83,079	10,825,346	130	129

Pounds Per Tree
For Specified
Age Groups

BOSC PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



In the Survey a total of 607 farms reported having Bosc Pear trees in only one age group. These 607 farms represented a total of 83,079 trees over one year old, or about 40 percent of the total of 210,063 Bosc trees of all ages enumerated in the six counties. The average yield per tree in the 2 to 5 year group, as reported by 77 farms representing 3,965 trees, was 24 pounds, while in the 6 to 9 year group 8,665 trees on 82 farms averaged 70 pounds. In the 10 to 16 year group 24,905 trees on 177 farms averaged 116 pounds; in the 17 to 26 year group 34,608 trees on 176 farms averaged 159 pounds, and in the 27 year or older group 10,936 trees on 95 farms averaged 173 pounds each.

According to the Survey, Bosc trees in the 2 to 5 year group in 1935 yielded 24 pounds per tree, compared with 13 pounds for Bartletts, 8 pounds for D'Anjous and 17 pounds for Miscellaneous varieties.

Table 10. BOSC PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

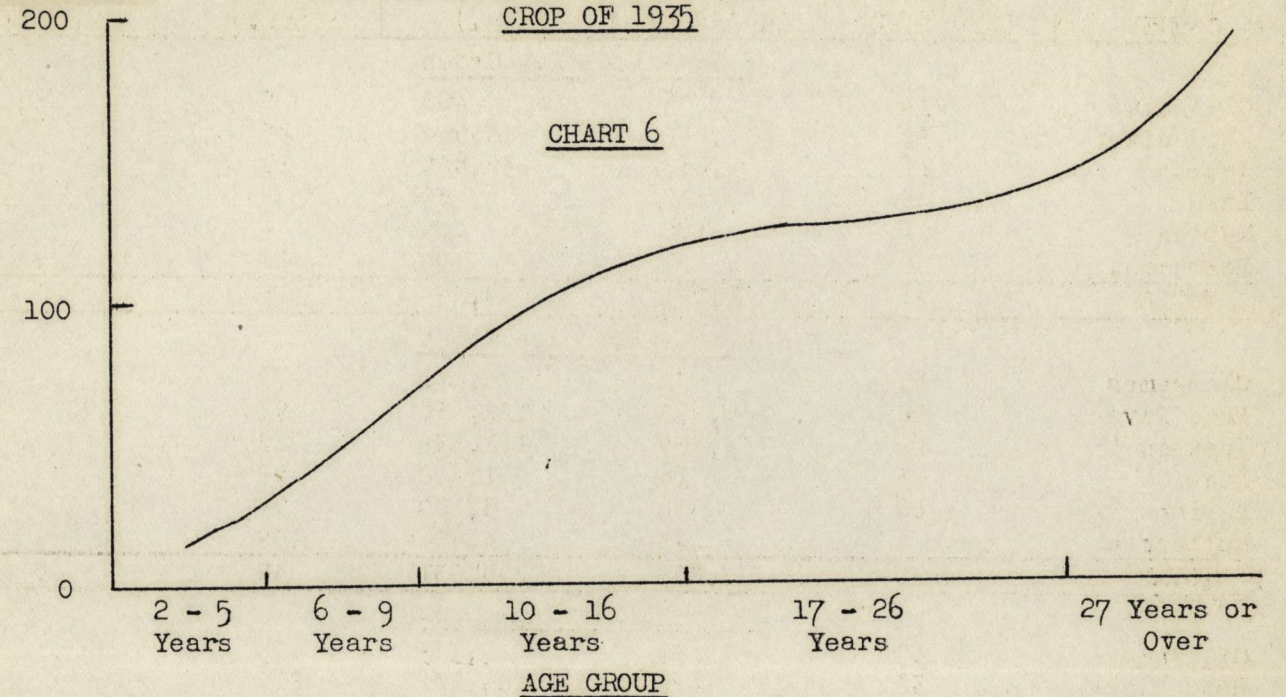
COUNTIES	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
Yield in Pounds					
Clackamas	4	56	62	109	30
Hood River	18	116	213	213	145
Jackson	26	61	71	157	175
Lane	6	69	116	162	132
Marion	26	43	119	66	197
Multnomah	-	35	142	112	173
STRAIGHT AVG.	24	71	112	158	170
WEIGHTED AVG.	24	70	116	159	173

Table 11. MISCELLANEOUS PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

NAME of COUNTY	NUMBER OF REPORTS TABULATED	NUMBER OF TREES IN SAMPLE	PRODUCTION IN 1935 (Lbs.)	ST. AVERAGE YIELD PER TREE (Lbs.)	WT'D. AVERAGE YIELD PER TREE (Lbs.)
<u>2 to 5 Year Age Group</u>					
Clackamas	34	76	400	5	
Hood River	39	1,849	45,764	25	
Jackson	11	4,663	52,854	11	
Lane	8	12	30	2	
Marion	26	170	25	-	
Multnomah	6	21	300	14	
TOTAL	124	6,791	99,373	15	17
<u>6 to 9 Year Age Group</u>					
Clackamas	15	71	5,010	71	
Hood River	36	1,717	132,458	77	
Jackson	12	5,169	151,535	29	
Lane	3	18	1,250	69	
Marion	16	39	3,100	79	
Multnomah	9	43	4,678	109	
TOTAL	91	7,057	298,031	42	48
<u>10 to 16 Year Age Group</u>					
Clackamas	37	98	7,335	75	
Hood River	32	490	107,242	219	
Jackson	20	2,432	184,510	76	
Lane	12	362	18,530	51	
Marion	46	98	7,470	76	
Multnomah	42	175	20,610	118	
TOTAL	189	3,655	345,697	95	103
<u>17 to 26 Year Age Group</u>					
Clackamas	89	461	37,772	82	
Hood River	43	551	156,604	284	
Jackson	111	28,097	3,445,058	123	
Lane	18	79	9,210	117	
Marion	51	365	35,957	99	
Multnomah	101	693	86,452	125	
TOTAL	413	30,246	3,771,053	125	127
<u>27 Years or Older Age Group</u>					
Clackamas	221	1,335	113,747	85	
Hood River	19	475	179,018	377	
Jackson	40	12,176	2,396,503	197	
Lane	24	83	10,750	130	
Marion	95	395	39,225	99	
Multnomah	69	443	61,346	138	
TOTAL	468	14,907	2,800,589	188	192
<u>Total - All Ages (1 Year or less Excluded)</u>					
Clackamas	396	2,041	164,264	80	
Hood River	169	5,082	621,086	122	
Jackson	194	52,537	6,230,460	119	
Lane	65	554	39,770	72	
Marion	234	1,067	85,777	80	
Multnomah	227	1,375	173,386	126	
TOTAL	1,285	62,656	7,314,743	117	109

Pounds Per Tree
For Specified
Age Groups

MISCELLANEOUS PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS
CROP OF 1935



In the Survey 1,285 farms reported 62,656 Miscellaneous Pear trees in single age groups over one year old. These 62,656 trees represent about 43 percent of the total of 145,833 Miscellaneous Pear trees of all ages enumerated in the six counties.

The average yield per tree in the 2 to 5 year group, according to reports from 124 farms having 6,791 trees, was 17 pounds in 1935. In the 6 to 9 year group 7,057 trees on 91 farms averaged 48 pounds; 3,655 trees in the 10 to 16 year group on 189 farms averaged 103 pounds; in the 17 to 26 year group, 30,246 trees on 413 farms averaged 127 pounds, and in the 27 year or older group 14,907 trees on 468 farms averaged 192 pounds each.

Table 12. MISCELLANEOUS PEARS - OREGON
AVERAGE YIELD PER TREE BY AGE GROUPS - CROP OF 1935

COUNTIES	Age Groups				
	2 to 5 Years	6 to 9 Years	10 to 16 Years	17 to 26 Years	27 Years and Over
<u>Yield in Pounds</u>					
Clackamas	5	71	75	82	85
Hood River	25	77	219	284	377
Jackson	11	29	76	123	197
Lane	2	69	51	117	130
Marion	-	79	76	99	99
Multnomah	14	109	118	125	138
STRAIGHT AVG.	15	42	95	125	188
WEIGHTED AVG.	17	48	103	127	192