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ORCHARD SURVEY OF THE
SOUTHWESTERN DISTRICT
OF COLORADO

By E. P. SANDSTEN and C. M. TOMPKINS



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ORCHARD SURVEY OF THE SOUTHWESTERN DISTRICT OF COLORADO

By E. P. SANDSTEN and C. M. TOMPKINS

LA PLATA COUNTY

La Plata County possesses somewhat limited possibilities in the tree fruit line. The only commercial fruit-growing district is along the Animas River Valley, a relatively narrow strip of land along the margins of the valley, and in one or two secondary valleys which join the main valley. The broken or rolling mesa land has not proven to be good fruit land, and the few attempts at commercial plantings have proven failures. In a new county like La Plata, the prospective fruit grower has little or nothing to guide him in the way of cultural methods and the choice of varieties. However, it is safe to say that only the hardier varieties of tree fruits can be grown successfully, and the grower should confine his planting to such varieties.

The principle drawback to fruit growing in this county is the climate. The winters are too cold and too long. The high elevation is in the main responsible for the cold climate and the short season.

Fruit for home use can be grown successfully. Varieties of apples like the Oldenburg, Wealthy, Northwestern Greening, McMahon, Walbridge, Yellow Transparent and McIntosh can be grown with a reasonable degree of success.

American Plums—Forest Garden, Sunset, Wyant, Wolf and Surprise are hardy and prolific. European varieties such as Lombard, Damson, Moore's Arctic and the German Prune are worthy of trial. Sour cherries do well though the frost often kills the blossoms. Varieties, Early Richmond, Montmorency and English Morellos, should be planted. Peaches and sweet cherries should not be planted. All kinds of small fruits do well, and this fact should be more generally known. Every farm should have an abundance of small fruits during the season. The same is true of practically all the common vegetables.

The limited fruit-growing area in the Animas Valley is well developed, due to its favorable location with reference to shelter and air drainage. Sweet cherries and pears are grown successfully, a rather remarkable achievement considering the elevation is about 7,500 feet.

The success in fruit growing in this county will in a large measure depend upon the grower. Where the natural conditions are more or less adverse, great care and skill is required by the growers to keep the trees in condition to bear crops. Neglect and adverse conditions are fine co-workers, and when combined the

result is in every case disastrous. The young fruit trees are much subjected to sunscald and for this reason low headed trees are necessary. On the other hand the snowfall is usually very heavy and very apt to break down the trees unless they have been carefully pruned so as to hold the weight of the snow.

As a rule the farmer should plant only enough fruit trees for his own use. A few trees well cultivated and cared for will give a larger return than a larger number of neglected trees. The repeated failures among farmers at fruit growing are due first to the planting of wrong varieties; second to the wrong place of the orchards; and third to neglect, such as lack of proper pruning, lack of spraying, lack of cultivation and fertilizing.

It is these details that the average farmer fails to attend to, generally from lack of time. His attention is more or less centered upon the production of the farm crops. The orchard is usually left to shift for itself and fruit growing is looked upon as a failure, and is a failure under such conditions, yet we all agree that every owner of a farm should have an orchard. The only tree fruit that will stand neglect is the American plum, mostly because they are but recently removed from the wild state, but even the wild plum will bear large fruits and larger crops under intelligent care.

ORCHARD SURVEY OF SOUTHWESTERN COLORADO

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I. Precipitation in the regions drained by the Colorado River, the Rio Grande, and the San Luis Lakes: Monthly, annual, and average amounts (in inches and hundredths).															
Durango	.1.88	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Average
Durango	1.74	1.74	1.45	1.04	0.73	2.00	2.11	1.82	2.04	1.16	1.62	1.16	1.61	19.36	1886-1917
II. Average Monthly and Annual Snowfall.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	65.4
Durango	.. 23	17.2	16.0	8.0	1.7	0.8	0.0	0.0	0.0	T.	1.1	4.5	16.1		
III. Average Number of Days With 0.01 inch or More Precipitation.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	\$3
Durango	.. 23	8	7	7	7	6	4	11	11	7	5	4	6		
IV. Mean Temperature.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	46.7
Durango	.. 23	25.9	30.3	38.1	46.1	52.9	61.6	67.1	66.4	58.9	48.2	37.7	26.9		
V. Mean Minimum Temperatures.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	31.2
Durango	.. 23	12.8	16.7	24.4	30.8	36.4	42.6	50.7	50.2	42.3	32.5	23.3	12.3		
VI. Mean Maximum Temperatures.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	61.8
Durango	.. 23	38.9	43.3	51.2	60.8	68.9	79.8	83.9	82.5	75.4	63.9	52.8	40.1		
VII. Highest Temperatures.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	99
Durango	.. 23	60	69	75	78	89	95	95	99	89	84	73	61		
VIII. Lowest Temperatures.															
Length of Record	(Years)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	-18
Durango	.. 23	-16	-18	-4	0	15	16	25	31	20	8	-1	-13		
IX. Frost Data.															
Length of Record	(Years)	Average date of last killing frost in spring.													
Durango	.. 22	May 18													
X. Frost Dates common on the river, the Rio Grande, and the San Luis Lakes: Earliest date of killing frost in autumn.															
Durango	.. 26	Sept. 5													

AGRICULTURAL EXPERIMENT STATION

ORCHARD SUMMARY

Apple trees	17,163
Apricot trees .....	.....
Cherry trees	947
Peach trees	25
Pear trees	795
Plum trees	136
Total trees	19,066

Total acreage 296
 Total No. orchards 26
 Average size of orchards 11.384 acres

CROP GROWN IN THE ORCHARDS OF LA PLATA COUNTY

Alfalfa	Clean Grass	Oats	Red Clover
7	15	1	1
			2

APPLES**NUMBER AND VARIETIES OF APPLE TREES IN LA PLATA COUNTY**

1. Alexander	26	15. McIntosh	2,010
2. Arkansas Black	50	16. Northwestern Greening..	183
3. Baldwin	60	17. Rome	225
4. Ben Davis	138	18. Shackleford	10
5. Ben Hur	10	19. Stayman Winesap	10
6. Chenango	8	20. Summer Pippin	100
7. Delicious	3,485	21. Wagener	1,375
8. Early Harvest	40	22. Wealthy	110
9. Fameuse	20	23. Winesap	150
10. Gano	871	24. Wolf River	65
11. Grimes	200	25. Yellow Bellflower	40
12. Jonathan	7,632	26. Yellow Transparent	80
13. King David	10	27. York Imperial	200
14. Maiden Blush	55		
		Total	17,163

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

No. acres	278.25	Age 12-40 years	5,038
No. Trees	17,163	Fair Condition	10
Age 1-8 years	70	Good Condition	16
Ages 8-12 years	12,055	Poor Condition .....	.....

CHERRIES**NUMBER AND VARIETIES OF CHERRY TREES IN LA PLATA COUNTY**

1. Black Tartarian	10	5. Royal Duke	25
2. Early Richmond	175	6. Sixteen-to-One	140
3. English Morello	170	7. Wragg	37
4. Montmorency	390		
		Total	947

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

No. Acres	7.5	Age 12-40 years	125
No. Trees	947	Fair Condition	9
Age 1-8 years	65	Good Condition	4
Age 8-12 years	757	Poor Condition	2

PEACHES**NUMBER AND VARIETIES OF PEACH TREES IN LA PLATA COUNTY**

Early Crawford, 10; Alberta, 15.

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

No. Acres	0.25	Age 8-12 years	25
No. Trees	25	Age 12-40 years .....	..
Age 1-8 years .....	..	Fair Condition	1

PEARS**NUMBER AND VARIETIES OF PEAR TREES IN LA PLATA COUNTY**

1. Anjou	10	4. Kieffer	104
2. Bartlett	676		
3. Flemish	5	Total	795

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

No. Acres	9	Age 12-40 years	95
No. Trees	795	Fair Condition	10
Age 1-8 years	170	Good Condition	2
Age 8-12 years	530	Poor Condition	1

PLUMS**NUMBER AND VARIETIES OF PLUM TREES IN LA PLATA COUNTY**

1. Damson	56	3. Omaha	40
2. Lombard	40		
Total			136

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

No. Acres	1.00	Age 12-40 years	96
No. Trees	136	Fair Condition	2
Age 1-8 years . . . . .	..	Good Condition	2
Age 8-12 years	40	Poor Condition	1

TABLE I.—SIX PRINCIPAL VARIETIES OF APPLES SHOWING PERCENTAGES GROWN IN ENTIRE COUNTY

Variety.	Entire Co.	Variety.	Entire Co.
1. Jonathan	42.9	5. Gano	5.1
2. Delicious	19.7	6. Rome	1.1
3. McIntosh	11.3	7. All others (21 var.)	12.0
4. Wagener	7.9		
		Total	100.0

TABLE II.—NUMBER OF APPLE TREES OF ENTIRE COUNTY BY AGE CLASS

Age Class.	Entire Co.	Age Class.	Entire Co.
1-8 years	70	12-40 years	5,038
8-12 years	12,055		
Total			17,163

TABLE III.—PERCENTAGES OF APPLE TREES OF ENTIRE COUNTY WITH RESPECT TO AGE

Age Class.	Entire Co.	Age Class.	Entire Co.
1-8 years	0.5	12-40 years	27.8
8-12 years	71.7		
Total			100.0

GRAND TOTALS**La Plata County**

Number of acres in fruit trees	296
Number of fruit trees of all kinds	19,066
Number of orchards	26

DISTRIBUTION OF TREES BY AGE CLASS

Age 1-8 years	305
Age 8-12 years	13,407
Age 12-40 years	5,354

CONDITION OF ORCHARDS

Fair, 11; Good, 12; Poor, 3; Total,

MONTEZUMA COUNTY

This county occupies the extreme southwestern corner of the State. Montezuma valley, proper, occupies approximately the center of the county. The valley is, roughly speaking, saucer-like in outline and the fruit lands are located on the northern rim or slopes of the valley. The soil is mostly a chocolate loam, very fertile and in most cases deep. It was originally covered with a growth of cedar and pinion pine. The elevation of the fruit district is around 6,000 to 6,500 feet. The greater development has been made around Lebanon where there are a number of commercial orchards. The northern and eastern half of the county are mountainous and rolling mesas which are not adapted to fruit growing. The southern half is generally broken and rough. The ravines separating the table lands are deep and almost impassable. The orchard district and the county are served by one narrow gauge railroad which makes the transportation of fruits and other products of the soil expensive and difficult. Due in the main to this lack of adequate transportation facilities the commercial fruit growing has not developed. In fact it has gone back during the past ten years. The district has great potential possibilities for commercial fruit growing. There is a large area of land that is equal to any section of the State in its capacity for fruit production and if transportation facilities were available it would become one of our greatest fruit sections in the State.

The whole range of varieties of the deciduous fruits can be grown successfully. A study of the accompanying tables will give an idea of the range of varieties of different kinds of fruits that can be grown successfully, and the limits of production in a variety way have not yet been realized. Land is cheap and offers wonderful opportunities for persons with a limited capital to engage in fruit growing. However, the development of this section will be slow until the transportation difficulties are overcome. The outlook for better transportation is said to be very promising at present.

The district has a well-developed irrigation system with an adequate amount of water to cover the land under the system.

In addition to the great possibilities for orchard development in the county, the development of the Mesa Verde National Park, the home of the cliff dwellers, will attract tourists and travel to the county and will have a considerable influence in developing its resources.

ORCHARD SURVEY OF SOUTHWESTERN COLORADO

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NUMBER OF ORCHARDS IN MONTEZUMA COUNTY

Montezuma Valley	20
Lebanon	28
Lakeview	14
Mancos Valley	5
Total	67

NUMBER OF APPLE TREES IN EACH ORCHARD DISTRICT

Montezuma Valley	10,583
Lebanon	21,170
Lakeview	15,622
Mancos Valley	1,255
Total trees	48,630

NUMBER OF APRICOT TREES IN EACH ORCHARD DISTRICT

Montezuma Valley .....	.....
Lebanon	21
Lakeview .....	.....
Mancos Valley .....	.....
Total trees	21

NUMBER OF SOUR CHERRY TREES IN EACH ORCHARD DISTRICT

Montezuma Valley	56
Lebanon	182
Lakeview	68
Mancos Valley	37
Total trees	343

NUMBER OF SWEET CHERRY TREES IN EACH ORCHARD DISTRICT

Montezuma Valley	40
Lebanon	27

AVERAGE SIZE OF ORCHARDS IN MONTEZUMA COUNTY

Section	No. Orchards	No. Acres	Average Size
MONTEZUMA COUNTY	67	827.00	12.343
Montezuma Valley	20	197.00	9.850
Lebanon	28	320.25	11.438
Lakeview	14	291.75	20.839
Mancos Valley	5	18.00	3.600

AVERAGE SIZE OF APPLE ORCHARDS IN MONTEZUMA COUNTY

Section	No. Orchards	No. Acres	Average Size
MONTEZUMA COUNTY	67	768.5	11.470
Montezuma Valley	20	158.5	7.925
Lebanon	28	307.0	10.964
Lakeview	14	287.0	20.500
Mancos Valley	5	16.0	3.200

CROP GROWN IN THE ORCHARDS

	Clean	Alfalfa	Sweet Clover	Red Clover	Barley	Oats
Montezuma Valley	6	11	3	..	..	..
Lebanon	7	13	3	2	2	1
Lakeview	7	3	4	..	..	..
Mancos Valley	4	1	..	..	..	..
	—	—	—	—	—	—
Totals	24	28	10	2	2	1

APPLES

NUMBER AND VARIETIES OF APPLE TREES IN MONTEZUMA COUNTY

1. Arkansas Black	73	27. Paragon	155
2. Banana	580	28. Pewaukee	40
3. Beach	6	29. Plumb Cider	85
4. Ben Davis	2,942	30. Ralls	225
5. Ben Hur	50	31. Red Astrachan	2
6. Chenango	6	32. Red June	3
7. Colorado	6	33. Rome	6,447
8. Delicious	3,453	34. Salome	95
9. Early Harvest	146	35. Shackleford	20
10. Fameuse	115	36. Sheepnose	6
11. Flora Bell	25	37. Stayman Winesap	760
12. Gano	3,794	38. Tolman	100
13. Grimes	2,050	39. Transcendant (crab) ..	3
14. Jefferis	10	40. Wealthy	316
15. Jonathan	15,580	41. Westfield	30
16. King David	15	42. White Pearmain	2,900
17. Kinnard	75	43. Whitney	4
18. Lawver	160	44. Wine	20
19. Livland Raspberry	20	45. Winesap	4,776
20. Maiden Blush	60	46. Wolf River	75
21. Mann	15	47. Yellow Bellflower	15
22. McIntosh	35	48. Yellow Transparent ..	187
23. Missouri	124	49. York Imperial	250
24. Northwestern Greening	876	Unknown	898
25. Oldenburg	2		
26. Oliver	1,000	Total	48,630

NUMBER AND VARIETIES OF APPLE TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Totals
1. Arkansas Black	23	50	.....	.....	73
2. Banana	480	100	.....	.....	580
3. Beach	6	.....	.....	.....	6
4. Ben Davis	1,658	594	575	115	2,942
5. Ben Hur	50	.....	.....	.....	50
6. Chenango	6	.....	.....	.....	6
7. Colorado	6	.....	.....	.....	6
8. Delicious	2,736	112	605	.....	3,453
9. Early Harvest	75	20	51	.....	146
10. Fameuse	115	.....	.....	.....	115
11. Flora Bell	25	.....	.....	.....	25
12. Gano	1,100	1,630	1,040	24	3,794
13. Grimes	1,225	50	765	10	2,050
14. Jeffries .....	.....	.....	.....	10	10
15. Jonathan	1,410	9,260	4,750	160	15,580
16. King David	15	.....	.....	.....	15
17. Kinnard	75	.....	.....	.....	75
18. Lawver	60	.....	100	.....	160
19. Livland Raspberry .....	.....	.....	.....	20	20
20. Maiden Blush	15	40	5	.....	60
21. Mann	15	.....	.....	.....	15
22. McIntosh	5	.....	.....	30	35
23. Missouri Pearmain	115	9	.....	.....	124
24. Northwestern Greening..	130	325	420	1	\$76
25. Oldenburg .....	.....	.....	.....	2	2
26. Oliver .....	.....	.....	1,000	.....	1,000
27. Paragon	75	80	.....	.....	155
28. Pewaukee	40	.....	.....	.....	40
29. Plumb Cider	75	10	.....	.....	85
30. Ralls	200	25	.....	.....	225
31. Red Astrachan .....	.....	.....	.....	2	2
32. Red June .....	.....	.....	.....	3	3
33. Rome	1,610	2,127	2,630	80	6,447
34. Salome	95	.....	.....	.....	95
35. Shackleford	20	.....	.....	.....	20
36. Sheepnose	6	.....	.....	.....	6
37. Stayman Winesap	75	410	275	.....	760
38. Tolman	100	.....	.....	.....	100
39. Transcendant (crab) .....	.....	.....	.....	3	3
40. Wealthy	20	255	.....	41	316
41. Westfield	30	.....	.....	.....	30
42. White Pearmain	800	1,013	1,040	47	2,900
43. Whitney .....	.....	.....	.....	4	4
44. Wine	20	.....	.....	.....	20
45. Winesap	1,060	1,181	2,500	35	4,776
46. Wolf River	75	.....	.....	.....	75
47. Yellow Bellflower	15	.....	.....	.....	15
48. Yellow Transparent	170	5	.....	12	187
49. York Imperial	225	25	.....	.....	250
Unknown	555	133	210	.....	898
Totals	10,583	21,170	15,622	1,255	48,630

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos	Summary Valley
No. Acres	158½	307	287	16	768½
No. Trees	10,583	21,170	15,622	1,255	48,630
Age 1-8 years	1,700	4,520	822	80	7,122
Age 8-12 years	600	11,595	9,760	420	22,375
Age 12-40 years	8,283	5,055	5,040	755	19,133
Fair Condition	11	17	5	4	37
Good Condition	2	9	8	.....	19
Poor Condition	4	2	1	1	8

APRICOTS**NUMBER AND VARIETIES OF APRICOT TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION**

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos	Totals
1. Moorpark	11	11
2. Royal	1	1
Unknown	9	9
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Totals	21	21

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos	Summary Valley
No. Acres
No. Trees	21	....	....	21
Age 1-8 years	3	....	....	3
Age 8-12 years
Age 12-40 years	18	....	....	18
Fair Condition	3	....	....	3
Good Condition	1	....	....	1
Poor Condition

SOUR CHERRIES**NUMBER AND VARIETIES OF SOUR CHERRY TREES IN MONTEZUMA COUNTY**

1. Dyehouse	4	4.	Montmorency	195
2. Early Richmond	139	5.	Suda	4
3. English Morella	1			
		Total	343	

NUMBER AND VARIETIES OF SOUR CHERRY TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos	Totals
1. Dyehouse .....	..	4	..	..	4
2. Early Richmond	10	89	8	32	139
3. English Morello	1	1
4. Montmorency	46	89	60	..	195
5. Suda	4	4
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Totals	56	182	68	37	343

AGRICULTURAL EXPERIMENT STATION

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos	Summary Valley	
No. Acres .....	.....	1	.....	1	.....	2
No. Trees	56	182	68	37	.....	343
Age 1-8 years	20	.....	16	13	.....	49
Age 8-12 years	29	60	.....	12	.....	92
Age 12-40 years	16	122	52	12	.....	202
Fair Condition	1	4	1	3	.....	9
Good Condition .....	.....	2	.....	.....	.....	2
Poor Condition .....	.....	.....	.....	1	.....	1

SWEET CHERRIES**NUMBER AND VARIETIES OF SWEET CHERRY TREES IN MONTEZUMA COUNTY**

1. Abbesse	4	5. Sixteen-to-One	38
2. Bing	23	6. Windsor	4
3. Napoleon	1	7. Wood	10
4. Republican	4		
		Total	84

NUMBER AND VARIETIES OF SWEET CHERRY TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos	Totals Valley
1. Abbesse .....	..	4	..	..	4
2. Bing .....	..	19	..	4	23
3. Napoleon .....	..	..	..	1	1
4. Republican .....	..	4	..	..	4
5. Sixteen-to-One	30	..	8	..	38
6. Windsor .....	..	..	4	..	4
7. Wood	10	..	..	..	10
	—	—	—	—	—
Totals	40	27	12	5	84

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos	Summary Valley
No. Acres .....	..	..	..	..	..
No. Trees	40	27	12	5	84
Age 1-8 years	40	9	12	5	63
Age 8-12 years	1	10	..	..	11
Age 12-40 years .....	..	10	..	..	10
Fair Condition	1	2	1	2	6
Good Condition .....	..	3	..	..	3
Poor Condition .....	..	..	..	..	..

PEACHES**NUMBER AND VARIETIES OF PEACH TREES IN MONTEZUMA COUNTY**

1. Alexander	70	10. J. H. Hale	1
2. Amsden	330	11. June Elberta	5
3. Belle	39	12. Lemon Cling	10
4. Bokhara	1	13. Mamie Ross	54
5. Carman	273	14. Russell	6
6. Champion	3	15. Stump	50
7. Early Crawford	192	Unknown	440
8. Elberta	3,445		
9. Fitzgerald	225	Total	5,135

NUMBER AND VARIETIES OF PEACH TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Totals
1. Alexander	70	....	....	....	70
2. Amsden	330	....	....	....	330
3. Belle . . . . .	....	30	....	....	30
4. Bokhara . . . . .	....	....	....	1	1
5. Carman	245	25	....	3	273
6. Champion . . . . .	....	....	....	3	3
7. Early Crawford . . . . .	....	105	87	....	192
8. Elberta	2,700	526	205	14	3,445
9. Fitzgerald	225	....	....	....	225
10. J. H. Hale . . . . .	....	....	....	1	1
11. June Elberta . . . . .	....	....	....	5	5
12. Lemon Cling . . . . .	....	10	....	....	10
13. Mamie Ross . . . . .	....	....	....	54	54
14. Russell . . . . .	....	....	....	6	6
15. Stump	50	....	....	....	50
Unnnkown	440	....	....	....	440
Totals	4,060	696	292	87	5,135

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Summary
No. Acres	38½	5¾	2¾	....	47
No. Trees	4,060	696	292	87	5,135
Age 1-8 years	3,749	20	270	75	4,105
Age 8-12 years . . . . .	....	621	12	12	645
Age 12-40 years	320	55	10	....	385
Fair Condition	10	11	4	2	27
Good Condition	1	2	1	....	4
Poor Condition . . . . .	....	1	....	....	1

PEARS

NUMBER AND VARIETIES OF PEAR TREES IN MONTEZUMA COUNTY

1. Anjou	6	4. Kieffer	18
2. Bartlett	642	5. Seckel	6
3. Flemish	87		
		Total	759

NUMBER AND VARIETIES OF PEAR TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Totals
1. Anjou	6	6
2. Bartlett	412	200	30	642
3. Flemish	75	....	12	87
4. Kieffer	18	....	....	18
5. Seckel	6	6
Totals	505	200	54	759

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos	Summary Valley
No. Acres	4 1/2	2	....	1	6 1/2
No. Trees	505	200	54	759	
Age 1-8 years	287	200	24	511	
Age 8-12 years	178	....	18	196	
Age 12-40 years	40	....	12	52	
Fair Condition	6	1	5	12	
Good Condition	2	....	....	2	
Poor Condition .....	....	....	....	....

PLUMS**NUMBER AND VARIETIES OF PLUM TREES IN MONTEZUMA COUNTY**

1. Abundance	2	9. Lombard	3
2. Agen	20	10. Omaha	2
3. Bradshaw	3	11. Pond	20
4. Burbank	7	12. Reine Claude	54
5. Damson	136	13. Satsuma	1
6. German Prune	90	14. Wild Goose	14
7. Golden	5	Total	367
8. Golden Drop	10		

NUMBER AND VARIETIES OF PLUM TREES GROWN IN MONTEZUMA COUNTY AND THEIR DISTRIBUTION

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Totals
1. Abundance .....	....	....	....	2	2
2. Agen	10	10	....	....	20
3. Bradshaw .....	....	....	....	3	3
4. Burbank	7	....	....	....	7
5. Damson	10	122	....	4	136
6. German Prune .....	....	20	....	70	90
7. Golden .....	....	5	....	....	5
8. Golden Drop	10	....	....	....	10
9. Lombard .....	....	....	....	3	3
10. Omaha .....	....	....	....	2	2
11. Pond .....	....	20	....	....	20
12. Reine Claude	20	20	....	14	54
13. Satsuma	1	....	....	....	1
14. Wild Goose	2	5	....	7	14
Totals	60	202	....	105	367

DISTRIBUTION, ACREAGE, TREES, AGE, AND CONDITION

	Montezuma Valley	Lebanon	Lakeview	Mancos	Summary Valley
No. Acres .....	....	2	....	1	3
No. Trees	60	202	....	105	376
Age 1-8 years	60	16	....	83	159
Age 8-12 years .....	....	46	....	10	56
Age 12-40 years .....	....	140	....	12	152
Fair Condition	1	3	....	3	7
Good Condition .....	....	3	....	....	3
Poor Condition .....	....	....	....	....	....

TABLE I. NUMBER OF FRUIT TREES IN EACH DISTRICT

District	Apples	Apricots	Cherries	Peaches	Pears	Plums	Dist.Tot.
Montezuma Valley	10,583	....	96	4,060	....	60	14,799
Lebanon	21,170	21	209	696	505	202	22,803
Lakeview	15,622	....	80	292	200	....	16,194
Mancos Valley	1,255	....	42	87	54	105	1,543

County Totals 48,630 21 427 5,135 759 367 55,339

TABLE Ia. DISTRIBUTION (IN PERCENTAGES) OF TOTAL NUMBER OF TREES OF EACH FRUIT IN ENTIRE COUNTY BY DISTRICT

District	Apples	Pears	Peaches	Plums	Apricots	Cherries	Dist.Tot.
Montezuma Valley	21.1	....	78.4	15.8	....	15.8	25.9
Lebanon	41.8	65.8	11.7	52.6	100.0	52.1	39.9
Lakeview	34.3	26.3	5.9	....	....	5.3	31.1
Mancos Valley	2.8	7.9	4.0	31.6	....	26.8	3.1

County Totals 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TABLE II. NUMBER OF ACRES OF EACH FRUIT FOR EACH DISTRICT IN ENTIRE COUNTY

Fruit	Montezuma Valley	Lebanon	Lakeview	Mancos Valley
Apples .	158½	307	287	16
Pears .	....	4½	2	....
Peaches .	38½	5¾	2¾	....
Plums .	....	2	....	1
Apricots .	....	....	....	....
Sour Cherries .	....	1	....	1
Sweet Cherries .	....	....	....	....

Totals, all fruits 197 320½ 291¾ 18

TABLE IIa. NUMBER OF ACRES OF EACH FRUIT OF BEARING AGE FOR EACH DISTRICT

Fruit	Montezuma Valley	Lebanon	Lakeview	Mancos Valley
Apples .	143.1	242.5	272.6	15.0
Apricots .	....	....	....	....
Pears .	....	1.9	....	....
Peaches .	2.7	5.6	2.6	....
Plums .	....	1.8	....	0.2
Sour Cherries .	....	1.0	....	0.3
Sweet Cherries .	....	....	....	....

Total, all fruits 145.8 252.8 275.2 15.5

TABLE III. SIX PRINCIPAL VARIETIES OF APPLES, SHOWING PERCENTAGES GROWN IN EACH DISTRICT AND IN ENTIRE COUNTY

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
Jonathan .	13.2	44.1	30.1	12.3	30.7
Rome .	15.1	9.9	16.6	6.1	12.6
Winesap .	10.0	5.7	16.0	3.1	9.4
Delicious .	....	12.8	0.6	46.1	6.9
Gano .	10.3	4.7	6.4	....	6.1
Ben Davis .	15.2	2.8	3.8	9.3	5.7
All others (43 Var.) .	36.2	20.0	26.5	23.1	28.6

Totals 100.0 100.0 100.0 100.0 100.0

TABLE IV. THREE PRINCIPAL VARIETIES OF PEARS, SHOWING PERCENTAGE GROWN IN EACH DISTRICT AND IN ENTIRE COUNTY

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
Bartlett	82.0	100.0	54.5	84.2	
Flemish	16.0	....	18.2	11.8	
Kieffer	2.0	....	....	2.6	
All others (2 Var.) . . . . .	....	....	27.3	1.4	
Totals	100.0	100.0	100.0	100.0	100.0

TABLE V. SIX PRINCIPAL VARIETIES OF PEACHES, SHOWING PERCENTAGES GROWN IN EACH DISTRICT AND IN ENTIRE COUNTY

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
Elberta	65.8	74.3	72.4	16.1	66.3
Amsden	8.0	....	....	....	6.3
Carman	6.1	4.3	....	3.4	5.2
Fitzgerald	5.6	....	....	....	4.4
Early Crawford . . . . .	....	14.2	27.6	....	3.8
Alexander	1.7	....	....	....	1.3
All others (9 Var.)	12.8	7.2	....	80.5	12.7
Totals	100.0	100.0	100.0	100.0	100.0

TABLE VI. SIX PRINCIPAL VARIETIES OF PLUMS AND PRUNES, SHOWING PERCENTAGES GROWN IN EACH DISTRICT AND IN ENTIRE COUNTY

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
Damson	16.6	60.0	....	4.7	36.5
German Prune . . . . .	....	10.0	....	66.6	24.3
Reine Claude	33.3	10.0	....	13.3	14.9
Agen	16.6	5.0	....	....	5.4
Pond . . . . .	....	10.0	....	....	5.4
Wild Goose	3.3	2.5	....	6.6	3.8
All others (8 Var.)	30.2	2.5	....	8.8	9.7
Totals	100.0	100.0	....	100.0	100.0

TABLE VII. TWO PRINCIPAL VARIETIES OF APRICOTS, SHOWING PERCENTAGES GROWN IN EACH DISTRICT AND IN ENTIRE COUNTY

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
Moorpark	52.4	....	....	....	52.4
Royal	4.7	....	....	....	4.7
All others	42.9	....	....	....	42.9
Totals	100.0	....	....	....	100.0

TABLE VIII. SIX PRINCIPAL VARIETIES OF CHERRIES, SHOWING PERCENTAGES GROWN IN EACH DISTRICT AND IN ENTIRE COUNTY

Variety	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
Montmorency	16.6	42.9	....	60.0	41.0
Early Richmond	16.6	42.9	40.0	30.0	35.9
Sixteen-to-One	30.0	....	40.0	....	10.3
Bing . . . . .	....	9.5	....	4.0	5.9
Wood	16.8	....	....	....	2.5
Republican . . . . .	....	1.9	....	....	1.0
All others (6 Var.) . . . . .	....	2.8	20.0	6.0	3.4
 Totals	100.0	100.0	100.0	100.0	100.0

TABLE IX. NUMBER OF APPLE TREES OF EACH DISTRICT AND OF ENTIRE COUNTY BY AGE CLASS

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	1,700	4,520	822	80	7,122
8-12 years	600	11,595	9,760	420	22,375
12-40 years	8,283	5,055	5,040	755	19,133
 Totals	10,583	21,170	15,622	1,255	48,630

TABLE IXa. PERCENTAGE OF APPLE TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	23.6	62.5	12.2	1.7	100.0
8-12 years	2.5	50.0	45.7	1.8	100.0
12-40 years	41.7	25.3	29.0	4.0	100.0
 Totals	21.1	42.0	34.3	2.8	100.0

TABLE IXb. PERCENTAGE OF APPLE TREES OF EACH DISTRICT WITH RESPECT TO AGE

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	15.8	21.1	5.1	6.1	14.2
8-12 years	5.6	54.9	61.5	32.3	46.1
12-40 years	78.6	24.0	33.4	61.6	39.7
 Totals	100.0	100.0	100.0	100.0	100.0

TABLE X. NUMBER OF PEAR TREES OF EACH DISTRICT AND OF ENTIRE COUNTY BY AGE CLASS

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	287	200	24	511
8-12 years	178	....	18	196
12-40 years	40	....	12	52
 Totals	505	200	54	759

TABLE Xa. PERCENTAGE OF PEAR TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	56.1	39.1	4.8	100.0
8-12 years	90.8	....	9.2	100.0
12-40 years	76.9	....	23.1	100.0

TABLE Xb. PERCENTAGE OF PEAR TREES OF EACH DISTRICT WITH RESPECT TO AGE

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	56.8	100.0	44.4	67.3
8-12 years	35.2	....	33.3	25.8
12-40 years	8.0	....	22.3	6.9
Totals	100.0	100.0	100.0	100.0

TABLE XI. NUMBER OF PEACH TREES OF EACH DISTRICT AND OF ENTIRE COUNTY BY AGE CLASS

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	3,740	20	270	75	4,105
8-12 years	.....	621	12	12	645
12-40 years	.....	320	55	10	385
Totals	.....	4,060	696	292	5,135

TABLE XIa. PERCENTAGE OF PEACH TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	90.7	0.5	6.6	2.2	100.0
8-12 years	.....	96.2	1.9	1.9	100.0
12-40 years	.....	83.1	14.3	2.6	....

TABLE XIb. PERCENTAGE OF PEACH TREES OF EACH DISTRICT WITH RESPECT TO AGE

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	92.1	2.8	93.1	86.2	79.8
8-12 years	.....	88.5	4.1	13.8	12.7
12-40 years	.....	7.9	8.7	2.8	....
Totals	.....	100.0	100.0	100.0	100.0

TABLE XII. PERCENTAGE OF APRICOT TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	100.0	....	....	100.0
8-12 years
12-40 years	100.0	....	....	100.0

TABLE XIII. PERCENTAGE OF PLUM TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	37.5	10.0	....	52.5	100.0
8-12 years	.....	82.1	....	17.9	100.0
12-40 years	.....	92.6	....	7.4	100.0

TABLE XIV. PERCENTAGE OF SOUR CHERRY TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	18.2	....	14.5	67.3	100.0
8-12 years .....	....	83.3	....	16.7	100.0
12-40 years .....	....	90.3	....	9.7	100.0

TABLE XV. PERCENTAGE OF SWEET CHERRY TREES OF EACH AGE CLASS PLANTED IN EACH DISTRICT

Age Class	Montezuma Valley	Lebanon	Lakeview	Mancos Valley	Entire County
1-8 years	68.9	15.5	6.8	8.8	100.0
8-12 years .....	....	100.0	....	....	100.0
12-40 years .....	....	100.0	....	....	100.0

GRAND TOTALS—MONTEZUMA COUNTY

Number of acres in fruit trees	827.0
Number of fruit trees of all kinds	55,339
Number of orchards	67

DISTRIBUTION OF TREES BY AGE CLASS

Age 1-8 years	12,912
Age 8-12 years	23,375
Age 12-40 years	19,952

CONDITION OF ORCHARDS

Fair, 46; Good, 15; Poor, 6.

