

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT
7-316
(November 1944)
Budget Bur. No. 42-R507.1.
Approval expires 3/16/46.

Water user or project YAKIMA • SUNNYSIDE DIVISION Yakima and Benton Counties Year of 19 46

CROP		AREA (Acres)	UNIT OF YIELD	YIELDS			VALUES		
				TOTAL	PER ACRE		PER UNIT OF YIELD	TOTAL	PER ACRE
ITEM	KIND				Average	Maximum			
Cereals	1. Barley	652	Bushel	26,295	40.3	67.0	\$ 1.40	\$ 36,813	\$ 56.46
	2. Corn	3,607	Bushel	198,536	55.0	113.0	1.40	277,950	77.06
	3. Oats	2,763	Bushel	156,289	56.6	113.0	.92	143,786	52.04
	4. Rye	138	Bushel	4,489	32.5	75.0	1.70	7,631	55.30
	5. Wheat	2,010	Bushel	71,342	35.5	75.0	1.75	124,848	62.11
	6. Other Miscellaneous *	27	Bushel	844	31.3	50.0	1.52	1,285	47.59
	Subtotal	9,197	Bushel	457,795	49.8	113.0	1.29	592,313	64.40
	7. Alfalfa	93	Bushel	252	2.7	7.0	24.00	6,048	65.03
	8. Clover	31	Bushel	242	7.8	10.0	21.00	5,082	163.94
	9. Other ² Pea	169	Bushel	4,037	23.9	40.0	2.65	10,698	63.30
Seed	to ² Onion	12	Bushel	18	1.5	3.4	125.00	2,250	187.50
	14. ² Miscellaneous*	13	Bushel	150	11.5	35.0	41.11	6,166	474.31
	Subtotal	318	Bushel	4,699	14.8	40.0	6.44	30,244	95.11
	15. Alfalfa	21,834	Ton	82,272	3.8	8.0	18.00	1,480,896	67.83
Hay and Forage	16. Bluejoint and timothy	--	Ton	--	--	--	--	--	--
	17. Other hay ³	936	Ton	1,980	2.1	5.0	15.00	29,700	31.73
	18. Corn fodder ⁴	1,415	Ton	18,039	12.7	25.0	12.00	216,468	152.98
	19. Other forage ⁵ Beet Tops	2,197	Ton	23,045	10.5	15.0	.60	13,827	6.29
	to ⁵ Straw	2,502	Ton	2,692	1.1	3.0	7.50	20,190	8.07
	23. ⁵ Miscellaneous *	903	Ton	3,798	4.2	20.0	1.11	4,221	4.67
	24. Carrots, mangels	17	Ton	280	16.5	20.0	20.00	5,600	329.41
	25. Pasture ⁶ Natural	9,246	Acre					232,221	25.12
	to ⁶ Tame	9,835	Acre					609,535	61.98
	30. ⁶ Miscellaneous	6,061	Acre					176,721	29.16
	Subtotal	54,946	Acre					2,789,379	50.77

Item numbers correspond to those on Form 7-332.

*See back of sheet

¹ For remaining grain crops. See note ¹ page 3, Form 7-332.

² List two most important other seed crops, like sugar beets, beans, peas, etc. Use item 14 for the sum total of all remaining seed crops.

³ See note ³, page 3, Form 7-332.

⁴ See note ⁴, page 3, Form 7-332.

⁵ List two most important other forage duplicate crops, like beet tops, bean straw, etc. Use item 23 for sum total of remaining other forage crops.

⁶ List two most important pastures, like ladino, tame, and alfalfa. Use item 30 for sum total of remaining pastures.

⁷ List two most important truck crops, like lettuce, tomatoes, or cabbage. Use item 42 for sum total of other remaining truck crops.

⁸ Includes all other nuts.

⁹ Item 59 for the major crop. Items 60, 61, total of all other miscellaneous.

Use item 62 for reporting acreage of soil-building crops planted and irrigated for fertilizing the land.

Use item 63 for reporting acreage of land fallowed because of short water supply or other reasons where the objective is to mellow and rest land for increasing future productivity. (Distinct from "Idle" land listed under "B" page 4, Form 7-332.)

ITEM:	C R O P KIND	AREA (ACRES)	UNIT OF: YIELD	TOTAL	PER ACRE		PER UNIT:		TOTAL	PER ACRE
					AVERAGE	MAXIMUM	OF YIELD			
6	: Spelt	: 10	: Bushel	: 500	: 50.0	: 50.0	: \$.85	: \$: 425.	: \$ 42.50
	: Millet	: 17	: Bushel	: 344	: 20.2	: 50.0	: 2.50	:	: 860.	: 50.59
	: Sub-total	: 27	: Bushel	: 844	: 31.3	: 50.0	: 1.52	:	: 1,285.	: 47.59
14	: Carrot	: 4	: Bushel	: 12	: 3.0	: 3.0	: 45.00	:	: 540.	: 135.00
	: Rutabaga	: 6	: Bushel	: 43	: 7.2	: 12.8	: 112.00	:	: 4,816.	: 802.67
	: Bean, soy	: 2	: Bushel	: 60	: 30.0	: 30.0	: 10.00	:	: 600.	: 300.00
	: Sorghum	: 1	: Bushel	: 35	: 35.0	: 35.0	: 6.00	:	: 210.	: 210.00
	: Sub-total	: 13	: Bushel	: 150	: 11.5	: 35.0	: 41.11	:	: 6,166.	: 474.31
23	: Cornstalks	: 898	: Ton	: 3,751	: 4.2	: 10.0	: 1.00	:	: 3,751.	: 4.18
	: Artichokes	: 2	: Ton	: 12	: 6.0	: 8.0	: 10.00	:	: 120.	: 60.00
	: Sorghum Fodder	: 2	: Ton	: 15	: 7.5	: 10.0	: 10.00	:	: 150.	: 75.00
	: Cane	: 1	: Ton	: 20	: 20.0	: 20.0	: 10.00	:	: 200.	: 200.00
	: Sub-total	: 903	: Ton	: 3,798	: 4.2	: 20.0	: 1.11	:	: 4,221.	: 4.67
30	: Alfalfa Pasture	: 1,041	: Acre	:	:	:	:	:	: 25,145.	: 24.15
	: Clover Pasture	: 392	: Acre	:	:	:	:	:	: 13,108.	: 33.44
	: Strawberry Clover Pasture	: 708	: Acre	:	:	:	:	:	: 47,213.	: 66.69
	: Stubble Pasture	: 1,281	: Acre	:	:	:	:	:	: 15,110.	: 11.80
	: Other Pasture	: 2,639	: Acre	:	:	:	:	:	: 76,145.	: 28.85
	: Sub-total	: 6,061	: Acre	:	:	:	:	:	: 176,721.	: 29.16
42	: Lima Beans	: 7	: Pound	: 21,000	: 3,000.	: 3,000.	: .07	:	: 1,470.	: 210.00
	: Cantaloupe	: 98	: Pound	: 701,008	: 7,153.	: 19,500.	: .015	:	: 10,515.	: 107.30
	: Tomatoes	: 184	: Bushel	: 49,090	: 267.	: 680.	: .80	:	: 39,272.	: 213.43
	: Squash	: 36	: Pound	: 828,000	: 23,000.	: 60,000.	: .02	:	: 16,560.	: 460.00
	: Melons	: 53	: Pound	: 708,000	: 13,358.	: 30,000.	: .02	:	: 14,160.	: 267.17
	: Cabbage	: 3	: Pound	: 30,000	: 10,000.	: 15,000.	: .03	:	: 900.	: 300.00
	: Pop Corn	: 44	: Bushel	: 1,451	: 33.	: 57.	: 2.80	:	: 4,063.	: 92.34
	: Canning Corn	: 227	: Bushel	: 45,283	: 199.	: 400.	: 0.36	:	: 16,302.	: 71.81
	: Table Carrots	: 304	: Bushel	: 245,280	: 807.	: 1,200.	: .70	:	: 171,696.	: 564.79
	: Egg Plant	: 5	: Bushel	: 3,757	: 751.	: 1,000.	: 1.65	:	: 6,199.	: 1,239.80
	: Cucumbers	: 1	: Bushel	: 500	: 500.	: 500.	: 1.70	:	: 850.	: 850.00
	: Turnips	: 2	: Bushel	: 343	: 172.	: 260.	: 1.20	:	: 412.	: 206.00
	: Peppers	: 2	: Bushel	: 360	: 180.	: 400.	: 1.50	:	: 540.	: 270.00
	: Lettuce	: 9	: Pound	: 84,000	: 9,333.	: 14,000.	: .04	:	: 3,360.	: 373.33
	: Peas, green	: 300	: Pound	: 570,000	: 1,900.	: 2,082.	: .04	:	: 22,804.	: 76.01
	: Pumpkin	: 2	: Pound	: 30,000	: 15,000.	: 24,000.	: .02	:	: 600.	: 300.00
	: Spinach	: 6	: Bushel	: 444	: 74.	: 111.	: .45	:	: 200.	: 33.33
	: Sub-total	: 1,283	: Acre	:	:	:	:	:	: 309,903.	: 241.55

DEPARTMENT OF THE INTERIOR

FILED 31512

SHEET I-A (Continued from back of Sheet 1)

Yakima and Benton Counties

ITEM:	C R O P KIND	AREA (ACRES)	UNIT OF: YIELD	TOTAL	PER ACRE		PER UNIT OF YIELD	TOTAL	PER ACRE
					AVERAGE	MAXIMUM			
49	Apricots	565	Pound	5,468,180	9,678	39,227	.045	246,068	435.52
	Cherries	1,422	Pound	13,351,498	9,389	36,000	.14	1,869,210	1,314.49
to	Berries	112	Pound	265,350	2,369	6,000	.23	61,030	544.91
	Grapes	3,338	Pound	17,975,054	5,385	24,677	.04	719,002	215.40
52	Plums	106	Pound	562,640	5,308	32,000	.04	22,506	212.32
	Currants	15	Pound	82,000	5,467	7,000	.175	14,350	956.67
	Sub-total	5,558	Pound	37,704,722	6,784	39,227	.078	2,932,166	527.56
	Sorghum	6	Gallon	546	91	224	2.00	1,092	182.00
60	Mint Oil	993	Pound	46,891	49.2	112	6.00	293,346	295.41
	Asparagus Plants	128	Acre				500.00	64,000	500.00
to	Nursery	12	Acre				800.00	9,600	800.00
	Bulbs	25	Acre				800.00	20,000	800.00
61	Sage	2	Pound	1,500	750.	1,000	.50	750	375.00
	Flowers, cut	2	Acre				200.00	400	200.00
	Grape Plants	4	Acre				3,650.00	14,600	3,650.00
	Sub-total	1,172	Acre					403,788	344.53

CROP		AREA (Acres)	UNIT OF YIELD	YIELDS			VALUES				
ITEM	KIND			TOTAL	PER ACRE		PER UNIT OF YIELD	TOTAL	PER ACRE		
				Average	Maximum						
Vegetables and Truck	31. Beans, commercial	29	Bushel	555	19.1	35.0	3.60	\$ 1,998	\$ 68.90		
	32. Onions, dry	60	Bushel	20,265	337.8	1000.0	.50	10,132	168.87		
	33. Potatoes, white	799	Bushel	249,743	312.6	632.7	.80	199,794	250.06		
	34. Potatoes, sweet	--	Bushel	--	--	--	--	--	--		
	35. Gardens	515	Bushel ^{acre}	--	--	--	--	89,686	174.15		
	36. Truck ⁷ Asparagus	4,125	Bushel ^{round}	19,573.724	4745.1	10,000.	.085	1,663,767	403.34		
	to ⁷ Rutabagas	587	Bushel	162,660	277.1	610.	1.10	178,926	304.81		
	42. ⁷ Miscellaneous*	1,283	Bushel	--	--	--	--	309,903	241.55		
	Subtotal	7,398	Acre	--	--	--	--	2,454,206	331.74		
	Fruits and Nuts	43. Apples	822	Pound	21,566,890	26,237.	60,267.	.04	862,676	1,049.48	
44. Peaches		1,792	Pound	17,911,156	9,995.	32,000.	.035	626,890	349.83		
45. Pears		1,565	Pound	36,147,141	23,097.	79,555.	.035	1,265,150	808.40		
46. Prunes		1,192	Pound	14,860,669	12,467.	43,333.	.04	594,427	498.68		
47, 48. Citrus fruit		--	Pound	--	--	--	--	--	--		
49-52. Small fruit **		5,558	Pound	37,704,722	6,784.	39,227.	.078	2,932,166	527.56		
53. Almonds		--	Pound	--	--	--	--	--	--		
Miscellaneous	54, 55. Miscellaneous ⁸ Nuts	7	Pound	4,740	677.	2,000.	.30	1,422	203.14		
	Subtotal	10,936	Pound	128,195,318	11,722.	79,555.	.05	6,282,731	574.50		
	56. Sugar beets	2,573	Ton	55,037	21.4	35.	10.25	564,129	219.25		
Miscellaneous	57. Cotton, lint	--	Bale	--	--	--	--	--	--		
	58. Cotton, seed	--	Ton	--	--	--	--	--	--		
	59. Other ⁹ Hops	3,171	Pound	5,338,773	1,684.	2,600.	.68	3,630,365	1,144.86		
	60, 61 ⁹ Miscellaneous **	1,172	Acre	--	--	--	--	403,788	344.53		
Soil Im- prove- ment	Subtotal	6,916	Acre	--	--	--	--	4,598,282	664.88		
	62. Soil-building crops	2,278	Total value (sum of items 1 to 61, inclusive)					\$ 16,747,155			
	63. Fallowed land	2,776	Additional revenues received (see reverse hereof)					\$ 176,270			
Subtotal		5,054	Total and average gross value per acre ¹⁰					\$ 16,923,425 \$ 202.01			
Total acreage reported		94,765	IRRIGABLE AREAS BY FEATURES					ACRES	FARMS	PERCENT OF PROJECT	
Less duplicated areas		10,991									
Net area in cultivation		83,774	Total area irrigated (see note)					82,745	3,202	79.9	
Net area in cultivation		83,774	Value	Area irrigable but not irrigated: Idle Farms					10,115	265*	9.8
Less fallowed, not irrigated		2,296		(a) Idle (see "B" page 4 of Form 7-332)					1,782		1.7
Irrigated area (classes 1-4)		81,478	27,986.70	(b) Temporarily suspended ¹²					1,069	87*	1.0
Temporarily suspended area irrigated		244		(c) Buildings, yards, highways, rights-of-way					5,572		5.4
(from separate cards class 5) Class 5		562		(d) Dry farmed, fallowed, not irrigated					2,296		2.2
Total area irrigated		82,284	Grand total irrigable of project or division					103,579	3,554	100.0	
Lawns, flower gardens, etc.		705									
Average computed on "net area in cultivation"											
Total Area Irrigated		82,989	Note: Less rental area not irrigable 244 acres					*Estimated			

7. Lawns, flower gardens, etc.

and see footnotes, page 1.

10 Average computed on "net area in cultivation."

I-A

11 Value not to be included in total value used for determining average gross acre income.

12 To be assembled from separate cards for Class 5 lands.

(over)

Note: Less rental area not irrigable 244 acres

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¹¹ Value not to be included in total value used for determining average gross acre income.¹² To be assembled from separate cards for Class 5 lands.

(Supporting item and amount on reverse hereof)

CROP OR PURPOSE ¹	YEAR ²	ACREAGE OR TONNAGE ²	UNIT ON WHICH BASED	PAYMENTS			
				PER UNIT	FEDERAL ³	FACTORY ⁴	TOTAL
Sugar Beets	1945	32,761	Ton		\$78,626.	\$ 4,914	\$83,540.
Soil Conservation					92,730.	- - - -	92,730.
					\$171,356	\$ 4,914	\$176,270

⁴ Payments from sugar companies and other commercial agencies.

1. The crop yield report shall be included in the annual operation and maintenance report, and an advance copy shall be sent to the Commissioner as soon after its compilation as possible.
2. For sake of uniformity, the unit shall be the ton for forage crops and sugar beets, the bushel for grains and vegetables when practical, and the pound for fruits.
3. The value per unit of yield shall be the local market price of the crop.
4. Owing to the general nature of the information given in this report the use of decimals shall be reduced to the lowest practicable minimum consistent with reasonable accuracy.
5. Pastures shall be included under areas irrigated for crop purposes, and the value thereof per acre shall be determined on the basis of the equivalent value of hay or other feeds which otherwise would be consumed.
6. Duplicated areas resulting from growing grass and grain on the same land, from raising crops in bearing orchards, from pasturing alfalfa, grain, and other lands from which crops were harvested and reported separately, and from other similar methods of cropping shall be carefully ascertained and deducted.

The item for "duplicated areas" appearing in the tabulation on the reverse hereof is made up of the following: (List crops and acreages below.)

IRRIGATED - NO CROPS HARVESTED

	<u>Acres</u>		<u>Acres</u>		<u>Acres</u>
Alfalfa Hay	993	Corn	19	Pea Seed	20
Alfalfa Seed	11	Corn, canning	7	Plums	31
Apples	41	Currants	2	Potatoes	15
Apricots	89	Gardens	1	Prunes	277
Asparagus	263	Grapes	1509	Rutabagas	9
Asparagus roots	4	Hops	13	Rye	4
Barley	4	Lettuce	1	Spinach	2
Beans, commercial	4	Mint	15	Squash	2
Berries	19	Nursery	7	Strawberry clover pasture	63
Bulbs	7	Oats	28	Sugar beets	6
Cabbage	1	Onions	18	Tame seeded pasture	21
Cantaloupe	10	Onion Seed	6	Tomatoes	32
Carrots, table	6	Other Hay	5	Wheat	55
Cherries	88	Peaches	291	Watermelons	9
Clover Pasture	10	Pears	80	Total	<u>4,098</u>

DUPLICATED AREAS

	<u>Acres</u>		<u>Acres</u>		<u>Acres</u>		<u>Acres</u>
Barley	5	Straw	2,497	Asparagus	4	Peaches	94
Corn	43	Corn Ensilage	35	Rutabagas	54	Pears	64
Oats	24	Cornstalks	898	Popcorn	28	Prunes	21
Wheat	11	Alfalfa Pasture	602	Corn, canning	4	Apricots	54
Alfalfa Seed	12	Clover Pasture	12	Table carrots	10	Cherries	33
Clover Seed	12	Stubble Pasture	1,282	Egg Plant	3	Berries	4
Alfalfa Hay	857	Tame Pasture	5	Turnips	1	Grapes	16
Other Hay	85	Potatoes	8	Lettuce	3	Sugar Beets	9
Corn Fodder	61	Cantaloupe	1	Green Peas	9	Soil Building	1,927
Beet Tops	2,197	Tomatoes	6			TOTAL	<u>10,991</u>