

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT
7-316
(April 1937)

FINAL

Water user or project

YAKIMA - SUNNYSIDE

Year of 1939

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	960	Bushel	38,196	39.8	88	0.44	\$16,806	\$17.51
	2. Corn	7,034	Bushel	283,172	40.3	100	0.55	155,745	22.14
	3. Oats	3,682	Bushel	176,920	48.0	130	0.32	56,614	15.38
	4. Rye	195	Bushel	4,560	23.4	58	0.55	2,508	12.88
	5. Wheat	3,536	Bushel	117,087	33.1	72	0.60	70,252	19.87
	6. Other ¹ Spelt	4	Bushel	175	43.8	62	0.40	70	17.50
	Subtotal	15,411	Bushel	620,110	40.2	130	0.49	301,995	19.60
Seed	7. Alfalfa	45	Bushel	253	5.6	9	12.80	3,238	71.96
	8. Clover	77	Bushel	444	5.8	11	7.20	3,197	41.52
	9. Other Strawberry Clover	22	Bushel	45	2.0	3	60.00	2,700	122.73
	to ² Peas	14	Bushel	282	20.1	27	0.60	169	12.07
	14. ² Miscellaneous *	31	Bushel	274	8.8	24	1.70	467	15.06
	Subtotal	189	Bushel	1,298	6.9	27	7.53	9,771	51.70
Hay and Forage	15. Alfalfa	27,054	Ton	81,793	3.0	8.3	7.00	572,551	21.16
	16. Bluejoint and timothy		Ton						
	17. Other hay ³	2,033	Ton	3,217	1.6	5	6.00	19,302	9.49
	18. Corn fodder ⁴	1,132	Ton	12,258	10.8	25	4.40	53,935	47.65
	19. Other forage Beet Tops	1,724	Ton	15,016	8.7	13	0.50	7,508	4.35
	to ⁵ Straw	690	Ton	693	1.0	5	1.00	693	1.00
	23. ⁵ Miscellaneous *	191	Ton	426	2.2	12	2.19	934	4.89
	24. Carrots mangels	47	Ton	763	16.2	30	4.50	3,434	73.06
	25. Pasture ⁶ Natural	9,937	Acre				7.00	69,559	7.00
	to ⁶ Tame	4,487	Acre				20.00	89,740	20.00
	30. ⁶ Miscellaneous *	4,662	Acre				7.45	34,745	7.45
	Subtotal	51,957	Acre				\$16.41	\$852,401	\$16.41

Item numbers correspond to those on Form 7-332.

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.)

* See other side.

Crop	Area : Acres	Unit of: : Yield	Total	Per Acre		Per Unit: : of Yield	Total	Per Acre
				Average	Maximum			
#14 Sorghum	14	: Bushel	102	7.3	10	: \$2.00	\$ 204	\$14.57
Broom Corn	6	: Bushel	27	4.5	6	: 0.37	10	1.67
Millet	6	: Bushel	128	21.3	24	: 1.50	192	32.00
Vetch	5	: Bushel	17	3.4	4	: 3.60	61	12.20
Subtotal	31	: Bushel	274	8.8	24	: 1.70	467	15.06
#23 Cornstalks	173	: Ton	299	1.7	7.5	: 1.00	299	1.73
Artichokes	18	: Ton	127	7.1	12	: 5.00	635	35.28
Subtotal	191	: Ton	426	2.2	12	: 2.19	934	4.89
Alfalfa Pasture	563	: Acre				: 5.00	2,815	5.00
#30 Clover Pasture	629	: Acre				: 20.00	12,580	20.00
Strawberry Clover	367	: Acre				: 25.00	9,175	25.00
Stubble Pasture	1,335	: Acre				: 1.00	1,335	1.00
Other Pasture	1,768	: Acre				: 5.00	8,840	5.00
Subtotal	4,662	: Acre				: 7.45	34,745	7.45
Beans, Green	62	: Pound	84,525	1,363	2,700	: 0.03	2,536	40.90
#42 Cabbage	6	: Pound	45,500	7,583	11,250	: 0.01	455	75.83
Cantaloups	25	: Pound	300,400	12,016	28,000	: 0.01	3,004	120.16
Carrots, table	51	: Bushel	30,525	598.5	1,200	: 0.25	7,631	149.63
Egg Plant	5	: Bushel	581	116.2	116	: 0.57	331	66.20
Melons	17	: Pound	270,000	15,882	30,000	: 0.0075	2,025	119.12
Popcorn	79	: Bushel	2,796	35.4	83	: 2.40	6,710	84.94
Rutabagas	467	: Bushel	157,282	336.8	667	: 0.225	35,388	75.78
Sweet Corn	57	: Bushel	4,550	79.8	160	: 0.25	1,138	19.96
Spinach	19	: Pound				: -		
Tomatoes	25	: Bushel	7,662	306.5	833	: 0.30	2,299	91.96
Subtotal	813	: Acre					61,517	75.67

(Continued on Sheet 1-A.)

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

		: Area	: Unit of:			: Per Acre	: Per Unit:		
Crop		: Acres	: Yield	: Total	: Average	: Maximum	: of Yield	: Total	: Per Acre
#49 to 52	Apricots	: 390	: Pound	: 1,353,060	: 3,469	: 30,000	: \$0.015	: \$20,296	: \$52.04
	Berries	: 62	: Pound	: 49,641	: 800	: 3,840	: 0.06	: 2,978	: 48.03
	Cherries	: 1,261	: Pound	: 3,951,030	: 3,133	: 24,000	: 0.05	: 197,552	: 156.66
	Grapes	: 1,209	: Pound	: 8,255,516	: 6,828	: 36,000	: 0.015	: 123,833	: 102.43
	Plums	: 47	: Pound	: 94,700	: 2,015	: 25,000	: 0.01	: 947	: 20.15
Subtotal		: 2,969	: Pound	: 13,703,947	: 4,616	: 36,000	: 0.0252	: 345,606	: 116.40
#60 & 61	Asparagus Plants	: 8	: Acre	:	:	:	: 200.00	: 1,600	: 200.00
	Broom Corn	: 4	: Ton	: 3	: 0.8	: 0.8	: 50.00	: 150	: 37.50
	Flower Bulbs	: 10	: Acre	:	:	:	: 700.00	: 7,000	: 700.00
	Mint	: 9	: Pound	: 486	: 54	: 67	: 1.65	: 802	: 89.11
	Nursery	: 3	: Acre	:	:	:	: 400.00	: 1,200	: 400.00
	Sorghum	: 35	: Gallon	: 2,789	: 79.7	: 157	: 1.00	: 2,789	: 79.69
Experiment Plots		: 15	: Acre	: -	: -	: -	: -	: -	: -
Subtotal		: 84	: Acre	:	:	:	:	: \$13,541	: \$161.20

CROP		AREA (Acres)	UNIT OF YIELD	YIELDS		VALUES				
ITEM	KIND			TOTAL	PER ACRE		PER UNIT OF YIELD	TOTAL	PER ACRE	
				Average	Maximum					
Irrigated for Production of This Crop	Vegetables and Truck	31. Beans, commercial	59	Bushel	473	8.0	24	\$1.75	\$ 828	\$14.03
		32. Onions, dry	23	Bushel	10,307	448.1	1,120	0.15	1,546	67.22
		33. Potatoes, white	2,220	Bushel	488,585	220.1	650	0.30	146,576	66.03
		34. Potatoes, sweet		Bushel						
		35. Gardens	719	Bushel Acre				100.00	71,900	100.00
		36. Truck ⁷ Asparagus	3,213	Bushel Lb	7,339,822	2,284	16,000	0.04	293,593	91.38
		to ⁷ Squash	1,429	Bushel Lb	25,621,800	17,930	80,000	0.002	51,244	35.86
	Miscellaneous *	42. ⁷ Miscellaneous *	813	Bushel					61,517	75.67
		Subtotal	8,476	Acre				74.00	627,204	74.00
		43. Apples	1,831	Pound	21,589,840	11,791	54,000	0.005	107,949	58.96
	Fruits and Nuts	44. Peaches	1,522	Pound	7,781,034	5,112	50,000	0.0125	97,263	63.90
		45. Pears	2,170	Pound	22,052,533	10,162	32,000	0.01	220,525	101.62
		46. Prunes	895	Pound	8,360,961	9,342	40,000	0.01	83,610	93.42
		47, 48. Citrus fruit		Pound						
		49-52. Small fruit	2,969	Pound	13,703,947	4,616	36,000	0.0252	345,606	116.40
53. Almonds			Pound							
Miscellaneous	54, 55. Miscellaneous ⁸ Nuts	11	Pound	1,900	173	900	0.04	76	6.91	
	Subtotal	9,398	Pound	73,490,215	7,820	54,000	0.0116	855,029	90.98	
	56. Sugar beets	1,864	Ton	31,169	16.7	25	4.40	137,144	73.58	
	57. Cotton, lint		Bale							
Miscellaneous	58. Cotton, seed		Ton							
	59. Other ⁹ Hops	529	Pound	1,014,660	1,918	4,000	0.24	243,518	460.34	
	60, 61 ⁹ Miscellaneous *	84	Acre					13,541	161.20	
	Subtotal	2,477	Acre				\$159.15	\$394,203	\$159.15	
Soil Im- prove- ment	62. Soil-building crops	871	Total value (sum of items 1 to 61, inclusive)					\$ 3,040,603		
	63. Fallowed land	5,039	Additional revenues received (see reverse hereof)					\$ 147,669		
	Subtotal	5,910	Total and average gross value per acre ¹⁰					\$ 3,188,272	\$ 37.65	
Total acreage reported		93,818								
Less duplicated areas		9,134								
Net area in cultivation		84,684								
Net area in cultivation		84,684	Value	IRRIGABLE AREAS BY FEATURES			ACRES	FARMS	PERCENT OF PROJECT	
Less fallowed, not irrigated		4,215		Total area irrigated (See note)			81,745	3,320	77.5	
Irrigated area (classes 1-4)		80,469		Area irrigable but not irrigated:						
Temporarily suspended area irrigated		418		(a) Idle (see "B" page 4 of Form 7-332)			13,309	300**	12.6	
(from separate cards class 5)		470		(b) Temporarily suspended ¹²			1,263		1.2	
Sub Total area irrigated		81,357	\$ 119,200	(c) Buildings, yards, highways, rights-of-way			4,901		4.7	
Lawns, flower gardens, shade trees		801		(d) Temporarily fallowed, not irrigated			4,215		4.0	
and ¹⁰ See footnotes, page 1.				Grand total irrigable of project or division			105,433	3,620**	100.0	
TOTAL AREA IRRIGATED		82,158								

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.

* See back of Sheet 1. ** Estimated.

Note: Less rental areas, not irrigable (418 acres).

	Acres		Acres		Acres		Acres
Alfalfa Hay	3,642	Beans, green	2	Corn fodder	81	Oats	12
Alfalfa Seed	6	Beet tops	1,701	Cornstalks	164	Other Hay	49
Asparagus	31	Broomcorn	3	Clover Seed	32	Peaches	144
Apples	3	Carrots	2	Grapes	6	Pears	55
Artichokes	71	Cherries	47	Gardens	2	Prunes	22
Berries	11	Corn	53	Millet Seed	4	Plums	9

(See below)

SUMMARY OF ADDITIONAL REVENUES RECEIVED

(Supporting item and amount on reverse hereof)

COVERING SOIL CONSERVATION, BONUS OR OTHER PAYMENTS RECEIVED DURING YEAR NOT INCLUDED IN REGULAR CROP VALUES

CROP OR PURPOSE ¹	YEAR ²	ACREAGE OR TONNAGE ³	UNIT ON WHICH BASED	PAYMENTS			
				PER UNIT	FEDERAL ³	FACTORY ⁴	TOTAL
Soil Conservation	1938				\$35,515.58		\$35,515.58
Soil Conservation	1939				31,462.06		31,462.06
Sugar Beets	1938				61,636.68	\$12,145.63	73,782.31
Wheat Parity	1939				6,908.59		6,908.59
			TOTAL		\$135,522.91	\$12,145.63	147,668.54

¹ List crops and purposes for which payments were received during year covered by present crop report, such as wheat, cotton, sugar beets, diversion of acreage, soil-building, etc.

² Designate year and acreage or tonnage to which each payment applied.

³ Payments from Government under Agricultural Conservation program.

⁴ Payments from sugar companies and other commercial agencies.

INSTRUCTIONS FOR CROP YIELD REPORT

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.

DUPLICATED AREAS

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

	Acres		Acres		Acres
Pasture, Clover	69	Pasture, tame	80	Sorghum Seed	14
" Strawberry Clover	18	Popcorn	4	Squash	36
" Alfalfa	70	Potatoes	53	Straw	711
" Natural	30	Rutabagas	25	Wheat	18
" Stubble	1,279	Soil Building	575	TOTAL	9,134

(See above)