

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT
7-316
(April 1937)

Water user or project YAKIMA - ROZA DIVISION

Year of 1942

CROP		AREA (Acres)	UNIT OF YIELD	YIELDS			VALUES		
ITEM	KIND			TOTAL	PER ACRE		PER UNIT OF YIELD	TOTAL	PER ACRE
					Average	Maximum			
Cereals	1. Barley	432	Bushel	17,158	39.7	125	\$ 0.72	\$ 12,354	\$ 28.60
	2. Corn	51	Bushel	1,741	34.1	50	0.81	1,410	27.65
	3. Oats	119	Bushel	8,179	68.7	109	0.48	3,926	32.99
	4. Rye	4	Bushel	76	19.0	35	0.79	60	15.00
	5. Wheat	82	Bushel	2,652	32.3	71	1.00	2,652	32.34
	6. Other ¹		Bushel						
	Subtotal	688	Bushel	29,806	43.3	125	0.68	20,402	29.65
Seed	7. Alfalfa		Bushel						
	8. Clover *	36	Bushel	67	1.9	2	14.96	1,002	27.83
	9. Other Pea	1,567	Bushel	30,415	19.4	50	2.70	82,120	52.41
	to ² Millet	10	Bushel	150	15.0	15	1.50	225	22.50
	14. ² Miscellaneous*	5	Bushel	207	41.4	100	3.87	802	160.40
	Subtotal	1,618	Bushel	30,839	19.1	100	2.73	84,149	52.01
Hay and Forage	15. Alfalfa	644	Ton	1,931	3.0	7	14.00	27,034	41.98
	16. Bluejoint and timothy		Ton						
	17. Other hay ³ (Grain)	206	Ton	273	1.3	3	10.00	2,730	13.25
	18. Corn fodder ⁴	22	Ton	128	5.8	10	8.00	1,024	46.55
	19. Other forage ⁵ Beet Tops	126	Ton	1,550	12.3	16	0.75	1,162	9.22
	to ⁵ Pea Ensilage	357	Ton	1,472	4.1	5	3.50	5,152	14.43
	23. ⁵ Miscellaneous*	529	Ton	477	0.9	7.5	3.51	1,673	3.16
	24. Carrots, mangels	8	Ton	32	4.0	7	15.00	480	60.00
	25. Pasture ⁶ Alfalfa	45	Acre				28.00	1,260	28.00
	to ⁶ Tame Seeded	128	Acre				40.00	5,120	40.00
	30. ⁶ Misc. Pasture*	205	Acre				4.86	997	4.86
	Subtotal	2,270	Acre					46,632	20.54

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 back of Sheet 1.

C R O P		AREA	UNIT OF		PER ACRE		Per Unit		
ITEM:	Kind	(Acres)	YIELD	TOTAL	Average	Maximum	of Yield	Total	Per Acre
#8	Clover seed, red	28	Bushel	56	2.0	2.0	\$ 12.00	672	\$ 24.00
	Clover seed, White Dutch	8	Bushel	11	1.4	1.4	30.00	330	41.25
	Subtotal	36	Bushel	67	1.9	2.0	14.96	1,002	27.83
#9	Carrot	1.0	Bushel	0.23	0.23	0.23	35.00	8	8.00
	Onion	1.75	Bushel	0.78	0.45	0.45	120.00	94	53.71
	to Poppy	0.25	Bushel	6.0	24.0	24.0	50.00	300	1,200.00
	Potato	2.0	Bushel	200.0	100.0	100.0	2.00	400	200.00
	Subtotal	5.0	Bushel	207.01	41.4	100.0	3.87	802	160.40
#19	Cornstalks	22	Ton	44	2	5	1.00	44	2.00
	Grain Straw	301	Ton	273	0.9	1.5	4.50	1,228	4.08
	to Pea Straw	204	Ton	145	0.7	1.0	2.25	326	1.60
	Squash	2	Ton	15	7.5	7.5	5.00	75	37.50
	Subtotal	529	Ton	477	0.9	7.5	3.51	1,673	3.16
#25	Clover Pasture	13	Acre					325	25.00
	to Pea Stubble	192	Acre					672	3.50
	Subtotal	205	Acre					997	4.86
#36	Cabbage	6	Pound	31,770	5,295	17,280	0.015	477	79.50
	Cantaloups	17	Pound	279,175	16,422	19,450	0.02	5,584	328.47
	Carrots - Table	23	Bushel	9,580	416	1,000	0.58	5,556	241.57
	to Corn, sweet	12	Bushel	338	28.2	43	5.00	1,690	140.83
	Lettuce	2	Pound	22,500	11,250	11,250	.04	900	450.00
	#42 Popcorn	27	Bushel	572	21.2	35	3.90	2,231	82.63
	Squash, table	7	Pound	43,220	6,174	8,000	.02	864	123.43
	Tomatoes	18	Bushel	7,798	433	967	1.15	8,968	498.22
	Turnips	2	Bushel	800	400	600	1.50	1,200	600.00
	Watermelon	30	Pound	430,000	14,333	24,000	0.015	6,450	215.00
	Subtotal	144	Acre					33,920	235.56

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

Crop	Area	Unit of:	Total	Per Acre		Per Unit	Total	Per Acre
	Acres	Yield		Average	Maximum	of Yield		
#49 Apricots	129	Pound	1,348,500	10,453	20,000	0.03	40,455	313.60
Cherries	186	Pound	578,500	3,110	32,000	0.07	40,495	217.72
to Grapes	14	Pound	132,000	9,429	24,000	0.02	2,640	188.57
Raspberries	10	Pound	1,350	135	900	0.10	135	13.50
#52 Strawberries	6	Pound	14,550	2,425	4,716	0.10	1,455	242.50
Subtotal-----	345	Pound	2,074,900	6,014	32,000	0.041	85,180	246.90
Belladonna	0.25	Pound	400	1,600	1,600	1.00	400	1,600.00
Bulbs, flower	0.65	Acre					260	400.00
#60 Henbane	0.25	Pound	800	3,200	3,200	1.50	1,200	4,800.00
Majoram	0.25	Pound	500	2,000	2,000	0.75	375	1,500.00
to Nursery	23.0	Acre					3,450	150.00
Paprika	0.25	Pound	500	2,000	2,000	0.32	160	640.00
#61 Peanuts	0.10	Pound	50	500	500	0.10	5	50.00
Sage	10.0	Pound	21,000	2,100	2,100	0.75	15,750	1,575.00
Thyme	0.25	Pound	100	400	400	0.75	75	300.00
Subtotal	35.00	Acre					21,675	619.29

the orchard are at end of Union Gap ditch.
150 new acres of orchard, soft fruit mostly peaches

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	64	Bushel	605	9.5	19	3.00	1,815	28.36
	32. Onions, dry	58	Bushel	34,598	596.5	1,225	1.00	34,598	596.52
	33. Potatoes, white	457	Bushel	123,069	269.3	476	1.07	131,684	288.15
	34. Potatoes, sweet Green Peas	408	Bushel	756,000	1,853.0	3,380	0.035	26,460	64.85
	35. Gardens	14	Bushel					2,000	142.86
	36. Truck 7 Green Beans	152	Bushel	139,320	916.0	1,980	0.04	5,573	36.66
	to 7 Rutabagas	64	Bushel	15,720	245.6	600	0.88	13,834	216.16
	42. 7 Miscellaneous*	144	Bushel					33,920	235.56
	Subtotal	1,361	Acre					249,884	183.60
	Fruits and Nuts	43. Apples	615	Pound	5,293,538	8,607	31,075	0.0325	172,040
44. Peaches		119	Pound	1,602,000	13,462	70,000	0.03	48,060	403.87
45. Pears		48	Pound	142,000	2,958	33,300	0.0225	3,195	66.56
46. Prunes			Pound						
47, 48. Citrus fruit			Pound						
49-52. Small fruit **		345	Pound	2,074,900	6,014	32,000	0.041	85,180	246.90
53. Almonds			Pound						
Miscellaneous	54, 55. Miscellaneous *		Pound						
	Subtotal	1,127	Pound	9,112,438	8,086	70,000	0.0339	308,475	273.71
	56. Sugar beets	145	Ton	2,969	20.5	27	6.0	17,814	122.86
	57. Cotton, lint		Bale						
	58. Cotton, seed		Ton						
Soil Im- prove- ment	59. Other ° Hops	200	Pound	335,760	1,679	2,500	0.44	147,734	738.67
	60, 61 ° Miscellaneous**	35	Acre					21,675	619.29
	Subtotal	380	Acre					187,223	492.69
	62. Soil-building crops	195	Total value (sum of items 1 to 61, inclusive)					\$ 896,765	
63. Fallowed land	19	Additional revenues received (see reverse hereof)					\$ 9,086		
Subtotal	214	Total and average gross value per acre ¹⁰					\$ 905,851	\$ 162.14	
Total acreage reported		7,658							
Less duplicated areas		2,071							
Net area in cultivation		5,587							
Net area in cultivation		5,587	Value	IRRIGABLE AREAS BY FEATURES ¹¹			ACRES	FARMS	PERCENT OF PROJECT
Less fallowed, not irrigated				Total area irrigated (less Cl. 6 irrigated)			5,651	196	63.0
Irrigated area (classes 1-4)		5,587		Area irrigable but not irrigated:			3,140	64	35.0
Temporarily suspended area irrigated		61		(a) Idle (see "B" page 4 of Form 7-332)					
(from separate cards class 5) Class 6		36		(b) Temporarily suspended ¹²			23		0.2
Total area irrigated		5,684		(c) Buildings, yards, highways, rights-of-way			162		1.8
				(d) Dry farmed			0	0	0.0
				Grand total irrigable of project or division			8,976	260	100.0
7, 8, and 9, see footnotes, page 1. Lawns		3							
10 Average computed on "net area in cultivation."									
Total Area Irrigated		5,687							

^{7, 8, and 9}, see footnotes, page 1. **Lawns**

¹⁰ Average computed on "net area in cultivation."

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.

**See Sheet 1-A.

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 ²	UNIT ON WHICH BASED	PAYMENTS			
				PER UNIT	FEDERAL ³	FACTORY ⁴	TOTAL
Sugar Beets	1941	2,360	Ton	\$3.37	\$ 4,460	\$ 3,493	\$ 7,953
Soil Conservation	1941				752		752
" "	1942				381		381
Totals					\$ 5,593	\$ 3,493	\$ 9,086

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	
Alfalfa Hay.....	195	Clover Seed.....	28	Potatoes.....	175
Alfalfa Pasture	38	Cornstalks	22	Rutabagas	23
Beans, Commercial..	64	Grain Hay.....	127	Squash.....	2
Beans, Green	58	Nursery	17	Straw, Grain	301
Beet Tops.....	126	Pea Ensilage.....	357	Straw, Pea.....	204
Carrots & Mangels	8	Pea Stubble	172	Soil Building	154
				Total	2,071

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