

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT
7-316
(April 1937)

Water user or project YAKIMA PROJECT - ROZA DIVISION (Roza Irrigation District) Year of 19 46

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	1,068	Bushel	34,389	32.2	83	1.40	48,145	\$ 45.08
	2. Corn	234	Bushel	10,028	42.9	75	1.40	14,039	60.00
	3. Oats	576	Bushel	22,150	38.5	85	0.92	20,378	35.38
	4. Rye	27	Bushel	366	13.6	20	1.70	622	23.04
	5. Wheat	1,859	Bushel	53,208	28.6	60	1.75	93,114	50.09
	6. Other ¹ Buckwheat	6	Bushel	300	50.0	50	1.75	525	87.50
	Subtotal	3,770	Bushel	120,441	31.9	85	1.47	176,823	46.90
Seed	7. Alfalfa	106	Bushel	177	1.7	3	24.00	4,248	40.08
	8. Clover	192	Bushel	399	2.1	5	21.00	8,379	43.64
	9. Other ² Millet	85	Bushel	1,710	20.1	21	2.88	4,925	57.94
	to ² Pea	1,561	Bushel	38,086	24.4	93	2.65	100,928	64.66
	14. ² Miscellaneous*	42	Bushel	118	2.8	6	70.42	8,310	197.86
	Subtotal	1,986	Bushel	40,490	20.4	93	3.13	126,790	63.84
Hay and Forage	15. Alfalfa	8,216	Ton	25,507	3.1	9	18.00	459,126	55.88
	16. Bluejoint and timothy		Ton						
	17. Other hay ³ Grain	233	Ton	235	1.9	3	15.00	3,525	15.13
	18. Corn fodder ⁴	174	Ton	453	2.6	10	12.00	5,436	31.24
	19. Other forage ⁵ Beet Tops	139	Ton	1,301	9.4	16	0.60	781	5.62
	to ⁵ Grain Straw	2,018	Ton	1,813	0.9	2	7.50	13,598	6.74
	23. ⁵ Miscellaneous*	1,943	Ton	4,007	2.1	6	3.59	14,404	7.41
	24. Carrots, mangels	202	Ton	2,49	12.3	20	20.00	49,880	246.93
	25. Pasture ⁶ Stubble	268	Acre				3.08	825	3.08
	to ⁶ Tame Seeded	469	Acre				40.36	18,929	40.36
	30. ⁶ Miscellaneous*	37	Acre					441	11.92
	Subtotal	13,699	acre					566,945	41.39

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 OF YIELD	TOTAL	PER ACRE
					AVERAGE	MAXIMUM			
9	Bean	10	Bushel	56	5.6	6	\$ 10.00	560	\$ 56.00
to	Onion	32	Bushel	62	1.9	2	125.00	7,750	242.19
14	Sub-total	42	Bushel	118	2.8	6	70.42	8,310	197.86
19	Cornstalks	131	Ton	265	2.0	5.0	1.00	265	2.02
to	Pea Ensilage	1160	Ton	2,436	2.1	6.0	5.00	12,180	10.50
23	Pea Straw	652	Ton	1,306	2.0	4.0	1.50	1,959	3.00
	Sub-total	1943	Ton	4,007	2.1	6.0	3.59	14,404	7.41
25	Clover Pasture	13	Acre				22.23	289	22.23
to	Other Pasture	24	Acre				6.33	152	6.33
30	Sub-total	37	Acre				11.92	441	11.92
	Asparagus	165	Pound	677,372	4,105	8,000	0.085	57,577	348.95
	Beans-snap	25	Bushel	817	32.7	33	1.80	1,471	58.84
	Cabbage	1	Pound	1,500	1,500	1,500	0.03	45	45.00
	Cantaloupe	233	Pound	1,141,460	4,899	12,000	0.015	17,122	73.48
36	Carrots- table	1	Bushel	800	800	800	0.70	560	560.00
	Corn - canning	39	Bushel	5,574	143	371	0.36	2,007	51.46
to	Cucumber	41	Bushel	5,459	133	167	1.70	9,280	226.34
	Lettuce	12	Pound	156,100	13,006	14,000	0.04	6,244	520.33
42	Popcorn	40	Bushel	710	17.8	20.0	2.80	1,988	49.70
	Rutabagas	99	Bushel	19,172	194	357	1.10	21,089	213.62
	Squash	85	Pound	1,470,000	17,294	24,000	0.02	29,400	345.88
	Tomatoes	113	Bushel	13,885	125	377	0.80	11,108	98.30
	Turnips	6	Bushel	2,000	333	370	1.20	2,400	400.00
	Sub-total	860	Acre					160,291	186.38
	Apricots	286	Pound	2,327,000	8,136	32,000	0.045	104,715	366.14
49	Cherries	215	Pound	867,090	4,033	16,000	0.14	121,393	564.62
	Grapes	250	Pound	341,000	1,364	24,000	0.04	13,640	54.56
to	Plums	185	Pound	98,400	532	10,000	0.04	3,936	21.28
	Raspberries	8	Pound	14,000	1,750	3,000	0.23	3,220	402.50
52	Strawberries	38	Pound	87,900	2,313	6,800	0.25	21,975	578.29
	Sub-total	982	Pound	3,735,390	3,804	32,000	0.072	268,879	273.81

DEPARTMENT OF THE INTERIOR

UNITED STATES

C R O P	AREA	UNIT OF		PER ACRE	PER UNIT		PER
ITEM: KIND	(ACRES)	YIELD	TOTAL	AVERAGE: MAXIMUM	OF YIELD	TOTAL	ACRE
: Asparagus-roots	: 12	: Acre	:	:	:	: \$ 500.00: 6,000	: \$ 500.00
60 : Bulbs-flower	: 1	: Acre	:	:	:	: 800.00: 800	: 800.00
to : Mint	: 108	: Pound	: 5,555	: 51	: 88	: 6.00: 33,330	: 308.61
61 : Nursery	: 315	: Acre	:	:	:	: 864.00: 272,160	: 864.00
: Strawberry plants	: 4	: Acre	:	:	:	: 1,000.00: 4,000	: 1,000.00
: Sub-total	: 440	: Acre	:	:	:	: \$ 316,290	: \$ 718.84

IRRIGATED - NO CROP

CROP	ACRES	CROP	ACRES	CROP	ACRES
Alfalfa Hay	1,041	Cucumber	1	Potatoes	30
Asparagus	45	Grapes	245	Raspberries	2
Asparagus roots	12	Lima Beans	35	Rutabagas	8
Beans, com.	29	Oats	7	Soil building	1,565
Beans, Seed	9	Onions	7	Strawberries	20
Cantaloupe	31	Onion Seed	15	Tomatoes	20
Carrots & mangels	6	Other hay	20	Watermelon	22
Clover seed	43	Orchard (non-bearing)	1,479	TOTAL	4,743
Corn	4	Pasture - tame seeded	30	No crops left unharvested	
				because of labor shortage	

DUPLICATED AREAS

Yakima-Roza Division, Year of 1946

CROP	ACRES	CROP	ACRES	CROP	ACRES
Alfalfa Hay	1,011	Lettuce	11	Rutabaga	43
Alfalfa Seed	80	Lima Beans	50	Rye	5
Barley	211	Millet	50	Soil Building	785
Beans	2	Oats	79	Squash	39
Beet Tops	139	Onion	6	Straw (grain)	2,018
Cantaloupe	28	Onion Seed	1	Straw pea	652
Carrots & Mangels	24	Other Hay	142	Tomatoes	9
Cherries	1	Pasture Stubble Hay	268	Turnip	5
Clover Seed	60	Pea Ensilage	1,160	Watermelon	24
Corn	56	Peas, Green	455	Wheat	359
Corn Fodder	37	Pea Seed	339	Total	8,689
Cornstalks	131	Popcorn	30		
Grapes	1	Potatoes	378		

SHEET 1-A (Cont: from Sheet #1)

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	109	Bushel	592	5.4	9	\$ 3.60	\$ 2,131	\$ 19.55
	32. Onions, dry	474	Bushel	264,512	558.0	2,386	0.50	132,256	279.02
	33. Potatoes, white	6,342	Bushel	2,254,100	355.4	667	1.00	2,254,100	355.42
	34. Potatoes, sweet. Peas, green	1,861	Bushel	5,289,960	2,842.6	7,020	0.04	211,598	113.70
	35. Gardens	39	Bushel				215.15	8,391	215.15
	36. Truck ⁷ Lima Beans	392	Bushel	293,720	749.	4,760	0.07	20,560	52.45
	to ⁷ Watermelon	365	Bushel	5,034,090	13,792.	20,000	0.02	100,682	275.84
	42. ⁷ Miscellaneous*	860	Bushel					160,291	186.38
	Subtotal		10,442	Acro				2,890,009	276.77
	Fruits and Nuts	43. Apples	166	Pound	831,000	5,006	48,000	0.04	33,240
44. Peaches		1,428	Pound	8,163,000	5,716	38,000	0.035	285,705	200.07
45. Pears		304	Pound	3,424,000	11,263	60,000	0.035	119,840	394.21
46. Prunes		158	Pound	638,000	4,038	20,000	0.04	25,520	161.52
47, 48. Citrus fruit			Pound						
49-52. Small fruit *		982	Pound	3,735,390	3,804	32,000	0.072	268,879	273.81
53. Almonds			Pound						
54, 55. Miscellaneous ⁸			Pound						
Subtotal		3,038	Pound	16,791,390	5,527	60,000	0.044	733,184	241.34
Miscellaneous	56. Sugar beets	185	Ton	3,469	21.0	27	10.25	35,557	215.50
	57. Cotton, lint		Bale						
	58. Cotton, seed		Ton						
	59. Other ⁹ hops	619	Pound	906,089	1,464.	2,500	0.68	616,141	995.38
60, 61 ⁹ Miscellaneous**		440	Acro					316,290	718.84
Subtotal		1,224	Acro					967,988	790.84
Soil Im- prove- ment	62. Soil-building crops	1,565	Total value (sum of items 1 to 61, inclusive)					\$ 5,461,739.	
	63. Fallowed land		Additional revenues received (see reverse hereof)					\$ 25,087	
	Subtotal	1,565	Total and average gross value per acre ¹⁰					\$ 5,486,826	\$ 202.95
Total acreage reported		35,724							
Less duplicated areas		8,689							
Net area in cultivation		27,035							
Net area in cultivation		27,035	Value	IRRIGABLE AREAS BY FEATURES			ACRES	FARMS	PERCENT OF PROJECT
Less fallowed, not irrigated				(Loss C1-6 Lands)					
Irrigated area (classes 1-4)		27,035		Total area irrigated			27,108	588	60.9
Temporarily suspended area irrigated		62		Area irrigable but not irrigated: Part farms			5,087	0	11.4
(from separate cards class 5) / 6		30 ¹¹		(a) Idle (see "B" page 4 of Form 7-332)			11,454	***247	25.8
Total area irrigated		27,127		(b) Temporarily suspended ¹²			22	0	0.1
				(c) Buildings, yards, highways, rights-of-way			809	0	1.8
				(d) Dry-farmed fallowed not irrigated			0	0	
				Grand total irrigable of project or division			44,480	***835	100.0
7. Land see footnotes, page 1.		11							
¹⁰ Average computed on "net area in cultivation."									
Total area irrigated		27,138							
			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) *See back of sheet 1 ***Estimated						

⁷ Land see footnotes, page 1.¹⁰ Average computed on "net area in cultivation."

Total area irrigated 27,138

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) * See back of sheet 1

** See sheet 1-a

*** Estimated

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	1945	1,492	Ton		3,581	224	3,805
Soil Conservation and Production Practices	1945				21,282		21,282
					24,863	224	25,087

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.)