

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT
7-316
(April 1937)

Final

Water user or project YAKIMA - ROZA DIVISION (Roza Irrigation District)

Year of 19 44

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	345	Bushel	10,936	31.7	57.	\$ 1.00	\$ 10,936	\$ 31.70
	2. Corn	110	Bushel	3,327	30.2	50.	1.15	3,826	34.78
	3. Oats	208	Bushel	8,740	42.0	80.	0.70	6,118	29.41
	4. Rye	15	Bushel	370	24.7	60.	1.15	426	28.40
	5. Wheat	370	Bushel	14,476	39.1	60.	1.30	18,819	50.86
	6. Other ¹		Bushel						
	Subtotal	1,048	Bushel	37,849	36.1	80.	\$ 1.06	\$ 40,125	\$ 38.29
Seed	7. Alfalfa		Bushel						
	8. Clover		Bushel						
	9. Other ² Pea	1,299	Bushel	25,277	19.5	49.	\$ 2.60	\$ 65,720	\$ 50.59
	to ² Onion	177	Bushel	699	3.9	20.	145.00	101,355	572.63
	14. ² *Miscellaneous	210	Bushel	2,658	12.7	42.	5.75	15,284	72.78
	Subtotal	1,686	Bushel	28,634	17.0	49.	\$ 6.37	\$ 182,359	\$ 108.16
Hay and Forage	15. Alfalfa	3,582	Ton	8,089	2.3	7.	\$ 20.00	\$ 161,780	\$ 45.16
	16. Bluejoint and timothy		Ton						
	17. Other hay ³ Grain	347	Ton	503	1.4	4.	17.00	8,551	24.64
	18. Corn fodder ⁴	12	Ton	46	3.8	5.	12.00	552	46.00
	19. Other forage ⁵ Beet Tops	92	Ton	561	6.1	10.	0.65	365	3.97
	to ⁵ Pea Ensilage	813	Ton	1,653	2.0	4.	6.00	9,918	12.20
	23. ⁵ Miscellaneous	1,647	Ton	1,461	0.9	5.	4.12	6,022	3.66
	24. Carrots, mangels	10	Ton	167	16.7	20.	8.00	1,336	133.60
	25. Pasture ⁶ Alfalfa	324	Acre	- -	- -	- -	- -	2,905	8.97
	to ⁶ Tame Seeded	186	Acre	- -	- -	- -	- -	5,946	31.97
	30. ⁶ *Miscellaneous	154	Acre	- -	- -	- -	- -	1,335	8.67
	Subtotal	7,167	Acre	- -	- -	- -	- -	198,710	\$ 27.73

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.

ITEM:	C R O P KIND	AREA (ACRES)	UNIT OF: YIELD :	TOTAL	PER ACRE AVERAGE :	PER ACRE MAXIMUM :	PER UNIT : OF YIELD :	TOTAL	PER ACRE
9	: Bean	: 71	: Bushel :	1,293 :	18.2 :	42 :	\$ 3.60 :	\$ 4,655 :	\$ 65.56
	: Carrot	: 34	: Bushel :	287 :	8.4 :	9 :	20.50 :	5,884 :	173.06
to	: Corn, Sweet	: 101	: Bushel :	1,073 :	10.6 :	18 :	4.20 :	4,507 :	44.62
	: Rutabaga	: 4	: Bushel :	5 :	1.2 :	2 :	47.60 :	238 :	59.50
14	: Sub-total	: 210	: Bushel :	2,658 :	12.7 :	42 :	\$ 5.75 :	\$ 15,284 :	\$ 72.78
19	: Cane Ensilage	: 4	: Ton :	20 :	5.0 :	5 :	\$ 15.00 :	\$ 300 :	\$ 75.00
	: Cornstalks	: 64	: Ton :	146 :	2.3 :	5 :	1.00 :	146 :	2.28
to	: Grain straw	: 649	: Ton :	559 :	0.9 :	2 :	8.00 :	4,472 :	6.89
	: Pea straw	: 930	: Ton :	736 :	0.8 :	2 :	1.50 :	1,104 :	1.19
23	: Sub-total	: 1,647	: Ton :	1,461 :	0.9 :	5 :	\$ 4.12 :	\$ 6,022 :	\$ 3.66
25	: Clover Pasture	: 86	: Acre :	- - :	- - :	- - :	- - :	\$ 680 :	\$ 7.91
	: Natural Pasture	: 1	: Acre :	- - :	- - :	- - :	- - :	4 :	4.00
to	: Other Pasture	: 39	: Acre :	- - :	- - :	- - :	- - :	351 :	9.00
	: Grain Pasture	: 28	: Acre :	- - :	- - :	- - :	- - :	300 :	10.71
30	: Sub-total	: 154	: Acre :	- - :	- - :	- - :	- - :	\$ 1,335 :	\$ 8.67
	: Cantaloups	: 16	: Pound :	132,900 :	8,306 :	12,000 :	\$ 0.04 :	\$ 5,316 :	\$ 332.25
	: Garrots, Table	: 20	: Bushel :	5,620 :	281 :	800 :	0.90 :	5,058 :	252.90
36	: Corn - Canning	: 54	: Bushel :	2,170 :	40.2 :	120 :	0.40 :	868 :	16.07
	: Cucumber	: 84	: Bushel :	9,375 :	112 :	208 :	1.00 :	9,375 :	111.61
	: Popcorn	: 15	: Bushel :	286 :	19.1 :	36 :	6.00 :	1,716 :	114.40
to	: Rutabagas	: 65	: Bushel :	12,839 :	198 :	357 :	0.95 :	12,197 :	187.65
	: Spinach	: 6	: Bushel :	2,333 :	389 :	444 :	0.60 :	1,400 :	23.33
	: Squash, Table	: 31	: Pound :	222,000 :	7,161 :	10,000 :	0.02 :	4,440 :	143.22
42	: Tomatoes	: 35	: Bushel :	13,058 :	373 :	377 :	2.00 :	26,116 :	746.17
	: Turnips	: 2	: Bushel :	37 :	18.5 :	148 :	1.35 :	50 :	25.00
	: Sub-total	: 328	: Acre :	- - :	- - :	- - :	- - :	\$ 66,536 :	\$ 202.85
49	: Apricots	: 200	: Pound :	1,854,300 :	9,272 :	33,000 :	\$ 0.07 :	\$ 129,801 :	\$ 649.00
	: Cherries	: 198	: Pound :	250,350 :	1,264 :	18,000 :	0.14 :	35,049 :	177.02
to	: Grapes	: 42	: Pound :	156,000 :	3,714 :	16,000 :	0.025 :	3,900 :	92.86
	: Plums	: 17	: Pound :	35,750 :	2,103 :	3,000 :	0.06 :	2,145 :	126.18
	: Raspberries	: 11	: Pound :	24,100 :	2,191 :	3,000 :	0.25 :	6,025 :	547.73
52	: Strawberries	: 11	: Pound :	30,100 :	2,736 :	4,000 :	0.19 :	5,719 :	519.91
	: Sub-total	: 479	: Pound :	2,350,600 :	4,907 :	33,000 :	\$ 0.0777 :	\$ 182,639 :	\$ 381.29

BUREAU OF RECOMMENDATIONS
 DEPARTMENT OF THE AGRICULTURE
 UNITED STATES

60 : Basil (sweet)	:	1.0	:	Pound	:	3,200	:	3,200	:	3,200	:	\$ 0.80	:	\$ 2,560	:	\$ 2,560.00
: Bulbs, Flower	:	0.5	:	Acre	:	- -	:	- -	:	- -	:	- -	:	250	:	500.00
: Marjoram	:	1.0	:	Pound	:	3,000	:	3,000	:	3,000	:	0.30	:	900	:	900.00
to : Mint	:	2.0	:	Pound	:	70	:	35	:	35	:	6.25	:	438	:	219.00
: Nursery	:	134.0	:	Acre	:	- -	:	- -	:	- -	:	- -	:	123,414	:	921.00
: Paprika	:	19.0	:	Pound	:	11,500	:	605.3	:	2,000	:	0.32	:	3,680	:	193.68
: Sage	:	100.0	:	Pound	:	305,929	:	3,059	:	8,667	:	0.50	:	152,965	:	1,529.65
61 : Wormwood	:	0.5	:	Pound	:	4,000	:	8,000	:	8,000	:	0.25	:	1,000	:	2,000.00
: Sub-total	:	258.0	:	Acre	:	- -	:	- -	:	- -	:	- -	:	\$285,207	:	\$ 1,105.45

IRRIGATED - NO CROP

NOT HARVESTED DUE TO LABORER SHORTAGE

Crop	Acres	Crop	Acres	Crop	Acres	Unit of Yield	Yield (Est.)
Alfalfa	810	Pasture, Tame	13	Alfalfa	7	Ton	7
Apples	31	Peaches	263	Cherries	1	Pound	1000
Apricots	60	Peas, Seed	82	Onions	11	Bushel	880
Asparagus	4	Pears	32	Potatoes	5	Bushel	1333
Beans, seed	3	Plums	10	Rutabagas	2	Bushel	532
Carrot, seed	15	Prunes	48	Strawberries	4	Pound	4000
Cherries	96	Rutabagas	5	Watermelon	5	Pound	40,000
Corn	8	Sage	12				
Corn, canning	3	Soil Building	411	Total	35		
Grapes	20	Squash	2				
Onion seed	72	Wheat	10				
Pasture, clover	17	Total	2,027				

DUPLICATED AREAS

Yakima -- Roza Division, Year of 1944

	<u>Acres</u>		<u>Acres</u>		<u>Acres</u>		<u>Acres</u>
Alfalfa Hay	841	Corn	6	Pasture, Tame	7	Prunes	6
Alfalfa Pasture	287	Cornstalks	64	Pea Seed	18	Sage	31
Apples	7	Grain Hay	168	Peas, green	160	Spinach	5
Apricots	4	Grain Straw	649	Peas Ensilage	813	Soil Building	524
Bean Seed	15	Oats	17	Pea Straw	930	Turnips	2
Beet Tops	92	Onions	25	Peaches	20	Watermelon	14
Cantaloups	4	Onion Seed	35	Popcorn	6	Wheat	56
Cherries	10	Orchard (Non bearing)	14	Potatoes	70	Total	4,900

SHEET 1-A (cont'd from back of Sheet 1).

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	Bushel							
		32. Onions, dry	Bushel	102,182	375.7	805	\$ 1.30	\$ 132,837	\$ 488.37	
		33. Potatoes, white	Bushel	669,800	299.3	538	1.20	803,760	359.14	
		34. Potatoes, sweet green peas	Pound	2,270,000	2,275	6,000	0.0375	85,125	85.30	
		35. Gardens	Bushel	20				3,277	163.85	
		36. Truck Asparagus	Bushel	98	97,500	994.9	3,333	0.075	7,312	74.61
		to 7 Watermelon	Bushel	175	2,671,195	15,264	30,067	0.02	53,424	305.28
	Fruits and Nuts	42. * Miscellaneous	Bushel	328				66,536	202.85	
		Subtotal	Acre	4,129				\$1,152,271	\$ 279.07	
	Fruits and Nuts	43. Apples	Pound	59	766,200	12,986	53,240	\$ 0.0425	\$ 32,563	\$ 551.92
		44. Peaches	Pound	914	6,394,800	6,996	26,000	0.0325	207,831	227.39
		45. Pears	Pound	189	2,778,000	14,698	50,000	0.035	97,230	514.44
		46. Prunes	Pound	91	485,000	5,330	28,000	0.035	16,975	186.54
		47, 48. Citrus fruit	Pound							
		49-52. Small fruit**	Pound	479	2,350,600	4,907	33,000	0.0777	182,639	381.29
		53. Almonds	Pound							
	Miscellaneous	54, 55. Miscellaneous *	Pound							
		Subtotal	Pound	1,732	12,774,600	7,376	53,240	\$ 0.042	\$ 537,238	\$ 310.18
56. Sugar beets		Ton	92	926	10	11	\$ 9.25	\$ 8,566	\$ 93.11	
57. Cotton, lint		Bale								
Miscellaneous	58. Cotton, seed	Ton								
	59. Other ⁹ Hops	Pound	431	498,225	1,156	2,500	0.73	363,704	843.86	
	60, 61 ⁹ **Miscellaneous	Acre	258					285,207	1,105.45	
	Subtotal	Acre	781					\$ 657,477	\$ 841.84	
Soil Im- prove- ment	62. Soil-building crops		935	Total value (sum of items 1 to 61, inclusive)				\$ 768,140		
	63. Fallowed land			Additional revenues received (see reverse hereof)				\$ 28,603		
	Subtotal		935	Total and average gross value per acre ¹⁰				\$ 796,783	\$ 222.36	
Total acreage reported			17,478	IRRIGABLE AREAS BY FEATURES (Less Class 6 Lands)			ACRES	FARMS	PERCENT OF PROJECT	
Less duplicated areas (1)			4,900							
Net area in cultivation			12,578	Total area irrigated			12,641	309	59.3	
Net area in cultivation			12,578				Area irrigable but not irrigated:			2,292
Less fallowed, not irrigated				(a) Idle (see "B" page 4 of Form 7-332)						6,103
Irrigated area (classes 1-4)			12,578				(b) Temporarily suspended ¹²			30
Temporarily suspended area irrigated			54	(c) Buildings, yards, highways, rights-of-way						263
(from separate cards class 5) C1-6			50				(d) Dry farmed			0
Total area irrigated			12,682	Grand total irrigable of project or division						21,329
Lawns & Trees			9				(1) See			
Total area irrigated			12,691	*See back of Sheet 1-A						

7, 8, and 9, see footnotes, page 1.

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.

***Estimated

6-7255

⁷, ⁸, and ⁹, see footnotes, page 1.

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

***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	1943	2,133	Ton		\$ 5,076	\$ 533	\$ 5,609
Soil Conservation and production practices	1944				22,994		22,994
Totals					\$28,070	\$ 533	\$ 28,603

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.)

(See Sheet 1-A)