

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT
7-316
(April 1937)

FINAL

Water user or project YAKIMA - KENNEWICK (Kennewick Highlands)

Year of 1941

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	25	Bushel	1,237	49.5	60	0.62	767	30.68
	2. Corn	73	Bushel	2,820	38.6	100	0.60	1,692	23.18
	3. Oats	9	Bushel	180	20.0	20	0.52	94	10.44
	4. Rye	5	Bushel	300	60.0	60	0.65	195	39.00
	5. Wheat	28	Bushel	1,009	36.1	50	0.85	858	30.64
	6. Other ¹		Bushel						
	Subtotal	140	Bushel	5,546	39.6	100	0.69	3,606	25.76
Seed	7. Alfalfa		Bushel						
	8. Clover		Bushel						
	9. Other ²		Bushel						
	to ²		Bushel						
	Subtotal		Bushel						
Hay and Forage	15. Alfalfa	631	Ton	2,648	4.2	8	9.00	23,832	37.77
	16. Bluejoint and timothy		Ton						
	17. Other hay ³	34	Ton	67	2.0	2	8.50	570	16.77
	18. Corn fodder ⁴	31	Ton	125	4.0	5	4.00	500	16.13
	19. Other forage ⁵ Beet Tops	14	Ton	145	10.0	10	0.75	109	7.79
	to ⁵		Ton						
	23. ⁵		Ton						
	24. Carrots, mangels		Ton						
	25. Pasture ⁶ Tame seeded	62	Acre				18.00	1,116	18.00
	to ⁶ Pasture, Clover	58	Acre				15.00	870	15.00
	30. ⁶ Miscellaneous*	44	Acre				8.63	380	8.63
	Subtotal	874	Acre					27,377	31.32

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.

C R O P		Area	Unit of	Total	Per Acre		Per Unit:		Fer
		Acres	Yield		Average	Maximum	of Yield:	TOTAL	Acre
25	Alfalfa pasture-----	8	Acre				10.00	80	10.00
to	Natural "-----	26	Acre				10.00	260	10.00
30	Other pasture-----	10	Acre				4.00	40	4.00
	Sub-Total.....	44	Acre				8.63	380	8.63
	Bean, lima-----	74	Pound	69,450	939	3,000	.03	2,084	28.16
	Cabbage-----	6	Pound	9,000	1500	3,000	.01	90	15.00
36	Carrots-----	3	Pound	3,000	1000	1,000	.012	36	12.00
to	Cantaloups-----	10	Pound	65,000	6500	6,500	.015	975	97.50
42	Melons-----	21	Pound	230,000	10952	20,000	.0075	1,725	82.14
	Peas-----	66	Pound	201,480	3053	16,000	.04	8,059	122.10
	Rutabagas-----	3	Pound	65,000	21667	30,000	.01	650	216.67
	Spinech-----	41	Pound	148,500	3622	12,000	.01	1,485	36.22
	Tomatoes-----	69	Pound	64,850	940	3,050	.03	1,945	28.19
	Turnips-----	1	Pound	30,000	30,000	30,000	.011	330	330.00
	Sub-Total.....	294	Pound	886,280	3,015	30,000	.0196	17,379	59.11
	Plums-----	2	Pound						
49	Apricots-----	8	Pound	14,300	1,788	8,000	.015	215	26.88
to	Berries-----	52	Pound	136,600	2,628	10,000	.085	11,611	223.29
52	Grapes-----	371	Pound	3,553,495	9,578	13,621	.015	53,302	143.67
	Cherries-----	152	Pound	894,600	5,886	18,000	.06	53,676	353.13
	Sub-Total.....	585	Pound	4,598,995	7,862	18,000	.026	118,804	203.08
60	Asparagus plants	3	Acre				300.00	900	300.00
to	Dill oil	6	Pound	20	3.3	5	5.00	100	16.67
61	Sub-Total.....	9	Acre					1,000	111.11

1941

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		Bushel								
	32. Onions, dry	64	Bushel	23,200	362.5	1,000	1.25	29,000	453.12		
	33. Potatoes, white	530	Bushel	61,911	116.8	200	.55	34,051	64.25		
	34. Potatoes, sweet		Bushel								
	35. Gardens	20	Bushel				100.00	2,000	100.00		
	36. Truck ⁷ Asparagus	715	Bushel	1,989,500	2783	10,000	.05	99,475	139.12		
	to ⁷ Lettuce	88	Bushel	652,750	7418	9,000	.015	9,791	111.26		
	42. ⁷ Other*	294	Bushel	886,280	3015	30,000	.0196	17,379	59.11		
	Subtotal	1,711	Acre				112.04	191,696	112.04		
	Fruits and Nuts	43. Apples	36	Pound	179,000	4972	36,000	.019	3,401	94.47	
44. Peaches		25	Pound	30,500	1220	4,000	.02	610	24.40		
45. Pears		4	Pound	11,000	2750	20,000	.025	275	68.75		
46. Prunes		75	Pound	24,100	321	3,080	.015	361	4.81		
47, 48. Citrus fruit			Pound								
49-52. Small fruit *		585	Pound	4,598,995	7862	18,000	.026	118,804	203.08		
53. Almonds			Pound								
54, 55. Miscellaneous ⁸			Pound								
Miscellaneous	Subtotal	725	Pound	4,843,595			.025	123,451	170.28		
	56. Sugar beets	14	Ton	290	20.7	20.7	5.00	1,450	10.36		
	57. Cotton, lint		Bale								
	58. Cotton, seed		Ton								
	59. Other ⁹ Mint	107	Pound	4,173	39.0	96	2.75	11,476	107.25		
	60, 61 ⁹ Other*	9	Acre					1,000	111.11		
Soil Im- prove- ment	Subtotal	130	Acre					13,926	107.12		
	62. Soil-building crops	440	Total value (sum of items 1 to 61, inclusive)					\$	360,056		
	63. Fallowed land	206	Additional revenues received (see reverse hereof)					\$	9,776		
	Subtotal	646	Total and average gross value per acre ¹⁰					\$	369,832	\$ 101.94	
Total acreage reported		4,226	IRRIGABLE AREAS BY FEATURES					ACRES	FARMS	PERCENT OF PROJECT	
Less duplicated areas		598									
Net area in cultivation		3,628									
Net area in cultivation		3,628	Value	Total area irrigated					3,508	189	87.7
Less fallowed, not irrigated		132		Area irrigable but not irrigated:							
Irrigated area (classes 1-4)			\$ ¹¹	(a) Idle (see "B" page 4 of Form 7-332)					163	6	4.1
Temporarily suspended area irrigated				(b) Temporarily suspended ¹²							
(from separate cards class 5)				(c) Buildings, yards, highways, rights-of-way					197		4.9
Total area irrigated		3,496		(d) Dry farmed Fallowed					132		3.3
			Grand total irrigable of project or division					4,000	195	100.0	

⁷, ⁸, and ⁹, see footnotes, page 1¹⁰ Average computed on "net area in cultivation."

Total area irrigated. . . 3,508

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

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 ⁴	FACTORY ⁴	TOTAL
Sugar Beets	1940				\$ 3,431.60		\$ 3,431.60
Sugar Beets	1940	1,962	Ton	0.89		\$ 1,746.18	1,746.18
Soil Conservation	1940				3,975.20		3,975.20
Soil Conservation	1941				622.91		622.91
			Totals		\$ 8,029.71	\$ 1,746.18	9,775.89

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	5	Lima beans	15	Rutabagas	2
Asparagus	4	Melons	2	Rye	3
Beet Tops	14	Other hay	18	Spinach	29
Cabbage	2	Other pasture	2	Soil building	351
Corn fodder	4	Onions	7	Tomatoes	1
Grapes	3	Peas	11	Turnips	1
Lettuce	56	Potatoes	68	Total....	598