

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

CROP YIELD REPORT

7-316
(April 1937)

FINAL

Water user or project

YAKIMA - SUNNYSIDE DIVISION

Year of 19 41

CROP				AREA (Acres)	UNIT OF YIELD	YIELDS			VALUES		
						TOTAL	PER ACRE		PER UNIT OF YIELD	TOTAL	PER ACRE
							Average	Maximum			
ITEM	KIND										
Cereals	1.	Barley		1,242	Bushel	46,584	37.5	85	0.62	28,882	23.25
	2.	Corn		6,349	Bushel	311,048	49.0	115	0.60	186,629	29.40
	3.	Oats		3,291	Bushel	174,440	53.0	125	0.52	90,709	27.56
	4.	Rye		219	Bushel	4,410	20.1	50	0.65	2,866	13.09
	5.	Wheat		3,156	Bushel	99,709	31.6	70	0.85	84,753	26.85
	6.	Other ¹ Spelt		10	Bushel	300	30.0	30	0.50	150	15.00
		Subtotal		14,267	Bushel	636,491	44.6	125	0.62	393,989	27.62
Seed	7.	Alfalfa		82	Bushel	293	3.6	11	14.40	4,219	51.45
	8.	Clover		22	Bushel	87	4.0	5	13.20	1,148	52.18
	9.	Other ² Peas		59	Bushel	1,084	18.4	30	1.50	1,626	27.56
	to ²	Millet		21	Bushel	455	21.7	30	1.80	819	39.00
	14.	² Miscellaneous		33	Bushel	564	17.1	50	26.61	15,008	454.57
		Subtotal		217	Bushel	2,483	11.4	50	9.19	22,820	105.16
Hay and Forage	15.	Alfalfa		23,519	Ton	72,675	3.1	8	9.00	654,075	27.81
	16.	Bluejoint and timothy			Ton						
	17.	Other hay ³		1,407	Ton	2,462	1.7	6	8.00	19,696	14.00
	18.	Corn fodder ⁴		1,289	Ton	17,060	13.2	25	4.00	68,240	52.94
	19.	Other forage ⁵ Beet tops		1,812	Ton	16,770	9.3	15	0.75	12,578	6.94
	to ⁵	Straw		1,698	Ton	1,943	1.1	3	1.50	2,914	1.72
	23.	⁵ *Miscellaneous		757	Ton	2,455	3.2	10	2.26	5,537	7.31
	24.	Carrots, mangels		124	Ton	1,970	15.9	30	10.50	20,685	166.81
	25.	Pasture ⁶ Natural		11,851	Acre				10.00	118,510	10.00
	to ⁶	Tame		5,166	Acre				15.00	77,490	15.00
	30.	⁶ *Miscellaneous		4,740	Acre				11.18	53,006	11.18
		Subtotal		52,363	Acre					1,032,731	19.72

Item numbers correspond to those on Form 7-332.

*(See reverse side)

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.)

C R O P		AREA	UNIT OF:	PER ACRE		Per Unit		
ITEM:	Kind	(Acres)	YIELD :	TOTAL	Average:	Maximum	of Yield :	Total : Per Acre
#14	Carrots	20	Bushel	320	16.0	28.6	43.75	14,000 : 700.00 ✓
	Kafir Corn	1	Bushel	36	36.0	36.0	6.00	216 : 216.00
	Safflower	5	Bushel	46	9.2	9.2	6.00	276 : 55.20
	Strawberry Clover	4	Bushel	12	3.0	3.0	18.00	216 : 54.00
	Sunflower	3	Bushel	150	50.0	50.0	2.00	300 : 100.00
	Subtotal	33	Bushel	564	17.1	50.0	26.61	15,008 : 454.57
#23	Cornstalks	654	Tons	1,783	2.7	10	0.50	892 : 1.36
	Ensilage, Misc.	68	Tons	415	6.1	7	5.00	2,075 : 30.51
	Artichokes	35	Tons	257	7.3	10	10.00	2,570 : 73.43
	Subtotal	757	Tons	2,455	3.2	10	2.26	5,537 : 7.31
#30	Alfalfa Pasture	571	Acre				10.00	5,710 : 10.00
	Clover Pasture	646	Acre				15.00	9,690 : 15.00
	Strawberry Clover Pasture	1,328	Acre				25.00	33,200 : 25.00
	Stubble Pasture	1,453	Acre				1.50	2,180 : 1.50
	Other Pasture	742	Acre				3.00	2,226 : 3.00
	Subtotal	4,740	Acre				11.18	53,006 : 11.18
#42	Cabbage	14	Pound	123,000	8,786	11,000	0.01	1,230 : 87.86
	Cantaloups	10	Pound	61,175	6,118	6,500	0.015	918 : 91.80
	Carrots, table	25	Bushel	8,060	322.4	1,200	0.375	3,022 : 120.88
	Eggplant	4	Bushel	2,280	570	631.6	0.76	1,733 : 433.25 ✓
	Lettuce	7	Pound	90,000	12,857	12,857	0.02	1,800 : 257.14 ✓
	Melons	15	Pound	147,000	9,800	20,000	0.0075	1,102 : 73.47
	Paprika	4	Pound	2,000	500	500	0.16	320 : 80.00
	Peas, Green	198	Pound	615,000	3,106	6,000	0.03	18,450 : 93.18
	Pepper	1	Pound	4,500	4,500	4,500	0.10	450 : 450.00 ✓
	Popcorn	54	Bushel	1,515	28.1	75	2.70	4,090 : 75.74
	Rutabagas	347	Bushel	110,100	317.3	800	0.50	55,050 : 158.65 ✓
	Squash	366	Pound	536,000	1,464	20,000	0.004	2,144 : 5.86
	Sweet Corn	115	Bushel	16,800	146.1	400	0.42	7,056 : 61.36
	Tomatoes	26	Bushel	1,658	63.8	300	0.60	995 : 38.27
	Subtotal	1,186	Acre					98,360 : 82.93

BUREAU OF RECLAMATION
 DEPARTMENT OF THE INTERIOR
 UNITED STATES

May 1915
 4-476
 1905 FIELD REPORT

SHEET 1-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		
Apricots	: 418	: Pound	: 1,922,257	: 4,599	: 26,000	: 0.0175	: 33,639	: 80.48
Berries	: 110	: Pound	: 141,948	: 1,290	: 9,600	: 0.075	: 10,646	: 96.78
Cherries	: 1,262	: Pound	: 7,836,069	: 6,209	: 41,000	: 0.055	: 430,984	: 341.51
to Currants	: 17	: Pound	:	:	:	:	:	:
Grapes	: 1,653	: Pound	: 16,171,131	: 9,783	: 28,800	: 0.015	: 242,567	: 146.74
#52 Plums	: 59	: Pound	: 162,013	: 2,746	: 16,000	: 0.025	: 4,050	: 68.64
Subtotal	: 3,519	: Pound	: 26,233,418	: 7,455	: 41,000	: 0.0275	: 721,886	: 205.14
#60 Asparagus Plants	: 36	: Acre	:	:	:	: 400.00	: 14,400	: 400.00
to Flower Bulbs	: 35	: Acre	:	:	:	: 500.00	: 17,500	: 500.00
Mint	: 76	: Pound	: 2,923	: 38.5	: 70	: 2.75	: 8,038	: 105.76
#61 Nursery	: 5	: Acre	:	:	:	: 400.00	: 2,000	: 400.00
Sorghum	: 20	: Gallon	: 1,334	: 66.7	: 108	: 1.00	: 1,334	: 66.70
Experimental Plots	: 25	: Acre	: -	: -	: -	: -	: -	: -
Subtotal	: 197	: Acre	:	:	:	:	: 43,272	: 219.65

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	48	Bushel	985	20.5	40	2.00	1,970	41.04	
	32. Onions, dry	25	Bushel	13,490	539.6	700	0.75	10,118	404.72	
	33. Potatoes, white	1,978	Bushel	379,200	191.7	788	0.50	189,600	95.85	
	34. Potatoes, sweet	-	Bushel							
	35. Gardens	528	Bushel/Acre				150.00	79,200	150.00	
	36. Truck 7. Asparagus	3,828	Bushel/Pound	11,681,531	3,052	12,300	0.045	525,669	137.32	
	to 7. Beans, Lime	550	Bushel/Pound	526,891	958	4,000	0.03	15,807	28.74	
	42. 7. *Miscellaneous	1,186	Bushel/Acre					98,360	82.93	
	Subtotal	8,143	Acre					920,724	113.07	
	Fruits and Nuts	43. Apples	969	Pound	10,472,953	10,808	57,000	0.015	157,094	162.12
		44. Peaches	1,468	Pound	7,489,896	5,102	36,000	0.021	157,288	107.14
		45. Pears	1,668	Pound	24,805,497	14,871	50,000	0.020	496,110	297.43
		46. Prunes	914	Pound	8,401,125	9,192	39,000	0.015	126,017	137.87
		47, 48. Citrus fruit		Pound						
49-52. Small fruit.*		3,519	Pound	26,233,418	7,455	41,000	0.0275	721,886	205.14	
53. Almonds			Pound							
54, 55. Miscellaneous ⁸ Nuts		21	Pound	4,388	209	800	0.10	439	20.90	
Subtotal	8,559	Pound	77,407,277	9,044	57,000	0.0214	1,658,834	193.81		
Miscellaneous	56. Sugar beets	1,947	Ton	35,638	18.3	30	5.00	178,190	91.52	
	57. Cotton, lint		Bale							
	58. Cotton, seed		Ton							
	59. Other ⁹ Hops	1,613	Pound	2,872,966	1,781.0	4,000	0.27	775,701	480.91	
	60, 61 ⁹ *Miscellaneous	197	Acre					43,272	219.65	
	Subtotal	3,757	Acre					997,163	265.41	
Soil Im- prove- ment	62. Soil-building crops	737	Total value (sum of items 1 to 61, inclusive)				\$	5,026,261		
	63. Fallowed land	4,233	Additional revenues received (see reverse hereof)				\$	157,185		
	Subtotal	4,970	Total and average gross value per acre ¹⁰				\$	5,183,446	\$ 61.60	
Total acreage reported		92,276					ACRES	FARMS	PERCENT OF PROJECT	
Less duplicated areas		8,130					81,281	3,283	77.1	
Net area in cultivation		84,146								
Net area in cultivation		84,146	Value	Total area irrigated (see note)			13,651	337**	12.9	
Less fallowed, not irrigated		3,983		Area irrigable but not irrigated:						
Irrigated area (classes 1-4)		80,163		(a) Idle (see "B" page 4 of Form 7-332)			1,247	-	1.2	
Temporarily suspended area irrigated		469		(b) Temporarily suspended ¹²			5,255	-	5.0	
(from separate cards class 5) Rental		486		(c) Buildings, yards, highways, rights-of-way			3,983	-	3.8	
Total area irrigated Subtotal		81,118		(d) Dry farmed-Fallowed, not irrigated			105,417	3,620**	100.0	
Lawns, flower gardens, shade trees		632		Grand total irrigable of project or division						
Total area irrigated.....		81,750		Note: Less rental areas not irrigable						

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; No. of farms, 62.

**Estimated (over) *(See back of Sheet 1).

DUPLICATED AREAS

	Acres		Acres		Acres
Alfalfa Hay.....	42	Ensilage, misc...	68	Potatoes.....	3
Alfalfa Seed	8	Grapes	10	Pop Corn	1
Apricots.....	77	Hay, other.....	346	Prunes.....	19
Asparagus	4	Oats	556	Rutabagas	19
Barley.....	142	Pasture, Alfalfa	30	Rye.....	14
Beans, Lima	110	" Clover	26	Soil Building	297
Beet Tops.....	1,812	" Natural	9	Squash.....	4

(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
Sugar Beets	1940				70,605.59	42,097.00	112,702.59
Soil Conservation	1940				33,240.81		33,240.81
Soil Conservation	1941				6,745.02		6,745.02
Wheat Parity	1940				1,644.46		1,644.46
Wheat Parity	1941				2,852.59		2,852.59
			Totals		115,008.47	42,097.00	157,185.47

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
Berries.....	2	Pasture, Stubble...	1,453	Pears.....	42
Cherries	7	" Tame	10	Plums	4
Corn.....	72	Ensilage, corn.....	5	Straw.....	1,698
Corn fodder	3	Peas, Green	5	Sweet Corn	2
Cornstalks.....	654	Peaches.....	115	Wheat.....	461
					8,130

U. S. GOVERNMENT PRINTING OFFICE 6-7258