



United States Department of the Interior

BUREAU OF RECLAMATION
Mid-Pacific Region
Klamath Basin Area Office
6600 Washburn Way
Klamath Falls, OR 97603-9365

IN REPLY REFER TO:

KO-400
WTR-3.00

FEB 08 2018

Bureau of Reclamation
Land Resources Manager
Attn: MP-450 (SSpringer)
2800 Cottage Way
Sacramento, CA 95825

Subject: 2016 Crop Report, Klamath Project, Oregon-California

Enclosed are the completed Crop Production forms for the 2016 crop year. As a requirement in the water contracts, all crop acreages are provided annually by irrigation districts. All values and yields for Oregon and California were obtained from Oregon State University-Klamath Experiment Station and Tulelake Irrigation District respectively.

Table 1 shows the crop acreage and value statistics compared to previous year.

Table 1. CROP STATISTICS (acres)	2016	2015	Change	% Change
*WATER RENTAL	1,175	827	348	42%
IDLED LANDS	4,664	36,993	-32,329	-87%
ROW CROP (Potatoes & Onions)	8,070	7,947	123	2%
HAY	78,379	71,884	6,495	9%
GRAIN	50,297	37,742	12,555	33%
PASTURE	37,963	28,021	9,942	35%
GROSS CROP VALUE - OR	90,207,392	78,399,130	11,808,262	15%
GROSS CROP VALUE - CA	78,344,795	83,478,090	-5,133,294	-6%
TOTAL GROSS CROP VALUE	168,552,187	161,877,219	6,674,968	4%
* Contracts for the use of rental water are for one year's use; therefore the area receiving this type of service varies from year to year.				
WATER STATISTICS (AF-Delivered)				
UPPER KLAMATH LAKE	325,000	251,000	74,000	29%
CLEAR LAKE RESERVOIR	26,248	1	26,247	2624700%
GERBER RESERVOIR	32,925	13,042	19,883	152%

Crop Narrative: An average winter created no surface water supply concerns. Additionally, the Water Users Mitigation Program (WUMP) expired in 2015. Due to favorable weather, overall yields were average or above.

If you have any questions, please contact Mike Green at 541-880-2565 or by electronic mail at mgreen@usbr.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "James Gale".

James Gale
Chief, Engineering Division

Enclosures

Identical Letter Sent To:

Tulelake Irrigation District
TID@cot.net

Klamath County Assessor
mkenneal@co.klamath.or.us

Klamath Water Users Association
chelsea@kwua.org

OSU-Klamath Basin Research and
Extension Center, Superintendent
willie.riggs@oregonstate.edu

UC-Intermountain Research and
Extension Center, Superintendent
rgwilson@ucdavis.edu

cc: KO-400 (JRoberts)
(w/encl)

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2016

LINE	PROJECT AND SUBDIVISION: KLAMATH	STATE: OREGON		
CODE	PART A - ACREAGE SUMMARY			
(10-12)	LANDS IN IRRIGATION ROTATION (ACRES)	CLASS 1-4	CLASS 5	TOTAL
		13-21	(22-30)	
11	HARVESTED CROPLAND & PASTURE (FROM LINE 194)	123,276.60		123,276.60
12	CROPLAND NOT HARVESTED & SOIL BUILDING	1,983.00		1,983.00
13	ACRES IRRIGATED (LINES 11 +12)	125,259.60		125,259.60
14	FALLOW OR IDLE	3,080.80		3,080.80
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	128,340.40		128,340.40
	LANDS NOT IN IRRIGATION ROTATION (ACRES)			
16	DRY CROPPED, IDLE, FALLOW OR GRAZED			
17	FARMSTEADS, ROADS, DITCHES, DRAINS			
18	TOTAL AREA NOT IN IRRIGATION ROTATION (LINES 16+17)	0.00		0.00
19	NON-AGRICULTURAL (ROADS, DRAINS, GARDENS, URBAN AREAS)	5,875.90		5,875.90
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	134,216.30		134,216.30
21	TOTAL IRRIGATABLE LAND NOT FOR SERVICE	0.00		0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	134,216.30		134,216.30
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			\$90,207,391.98
32	ADDITIONAL REVENUE:		(22-30)	
33	FEDERAL FSA PAYMENTS			
34	SUGAR PROGRAM			
35	TOTAL ADDITIONAL REVENUE (LINES 33+34)			\$0.00
36	TOTAL VALUE (GROSS CROP VALUE PLUS ADDITIONAL REVENUE-31+35)			\$90,207,391.98
37	TOTAL IRRIGATED ACREAGE (FROM LINE 13)			125,259.60
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			\$720.16
	PART C - NUMBER OF FARMS AND POPULATION			
		NO. OF FARMS	IRRIGA. AC.	POPULATION
41	FULL TIME FARMS (Est.)	704.00		
42	PART TIME FARMS (Est.)	250.00		
43	NON-AGRICULTURAL LANDS (ACRES FROM LINE 19)		5,875.90	
44	TOTAL (ACRES FROM LINE 20)		134,216.30	

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2016 - OREGON

PART D - CROP PRODUCTION

Edited by JTR 01/27/2017

LINE CODE	CROPS IRRIGATED IN IRRIG. ROTATION	ACRES	UNIT	YIELD		VALUE OF CROPS (\$)			
				PER ACRE	TOTAL	PER UNIT	PER ACRE	TOTAL	
CEREALS	50 BARLEY (malt)	6,134.70	BU.	119.79	734,885.94	4.80	575.00	3,527,452.50	
	51 BARLEY (feed)	2,058.80	BU.	93.75	193,012.50	3.12	292.50	602,199.00	
	52 CORN	0.00	BU.	0.00	0.00	0.00	0.00	0.00	
	53 OATS	2,014.30	BU.	148.44	298,997.66	2.40	356.25	717,594.38	
	57 WHEAT	14,435.90	BU.	110.00	1,587,949.00	4.25	467.28	6,745,607.35	
	58 OTHER CEREALS	650.00	BU.	50.00	32,500.00	3.15	157.50	102,375.00	
	59 TOTAL CEREALS	25,293.70						11,695,228.23	
FORAGE	61 ALFALFA HAY	38,805.00	TON	6.50	252,232.50	140.00	910.00	35,312,550.00	
	62 OTHER HAY	16,290.50	TON	4.75	77,379.88	170.00	807.50	13,154,578.75	
	63 IRRIGATED PASTURE	35,709.40	AUM	5.00	178,547.00	15.00	75.00	2,678,205.00	
	65 SILAGE OR ENSILAGE	153.00	TON	145.00	22,185.00	10.00	1,450.00	221,850.00	
	70 OTHER FORAGE (Peas)	102.00	TON	0.00	0.00		250.00	25,500.00	
	71 TOTAL FORAGE	91,059.90						51,392,683.75	
OTHER	81 BEANS, DRY & EDIBLE	0.00	CWT						
	87 PEPPERMINT	40.00	LBS	85.00	3,400.00	21.00	1,785.00	71,400.00	
	89 SUGAR BEETS		TON						
	91 OTHER MISC. FIELD CROPS (Specify)	0.00	TON		0.00		0.00	0.00	
	92 TOTAL MISCELLANEOUS FIELD CROPS	40.00						71,400.00	

VEGETABLES	110	SWEET CORN		CWT						
	117	CARROTS		CWT		0.00		0.00		0.00
	105	CABBAGE		CWT		0.00		0.00		0.00
	118	ONIONS	296.00	CWT	500.00	148,000.00	8.20	4,100.00	1,213,600.00	
	119	PEAS, GREEN (PROCESSING)		TON	0.00	0.00		0.00		0.00
NURSERY	122	POTATOES, CHIP	4,507.00	CWT	500.00	2,253,500.00	9.00	4,500.00	20,281,500.00	
	123	POTATOES, FRESH	1,159.00	CWT	425.00	492,575.00	8.00	3,400.00	3,940,600.00	
	127	OTHER VEGETABLES (Garlic)	358.00	CWT	110.00	39,380.00	21.00	2,310.00	826,980.00	
	128	TOTAL VEGETABLES	6,320.00						26,262,680.00	
	137	STRAWBERRY ROOTSTALK	425.00	PLNT	300,000.00	127,500,000.00		0.00		0.00
SEEDS	138	TURF	0.00	FT ²	35,000.00	0.00	0.15	5,250.00		0.00
		TOTAL NURSERY	425.00							0.00
	147	PEA SEED		CWT						
	148	POTATO SEED	132.00	CWT	350.00	46,200.00	17.00	5,950.00	785,400.00	
	149	SUGAR BEET SEED		CWT.						
FRUITS	150	OTHER SEED (Specify)		CWT						
	151	TOTAL SEED	132.00						785,400.00	
	161	APPLES	2.00			0.00		0.00		0.00
	163	BERRIES, EXCEPT STRAWBERRIES				0.00		0.00		0.00
	175	OTHER FRUITS (Specify)				0.00		0.00		0.00
TOTALS	177	WINE GRAPES	4.00			0.00		0.00		0.00
		TOTAL FRUITS	6.00							0.00
	192	TOTAL ALL CROPS	123,276.60						90,207,391.98	
	193	LESS MULTIPLE CROPPED	0.00							
	194	TOTAL HARVESTED CROPLAND AND PASTURE	123,276.60						90,207,391.98	

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2016

PROJECT AND SUBDIVISION: KLAMATH		STATE: CALIFORNIA		
LINE CODE	PART A - ACREAGE SUMMARY			
(10-12)	LANDS IN IRRIGATION ROTATION (ACRES)	CLASS 1-4	CLASS 5	TOTAL
		13-21	(22-30)	
11	HARVESTED CROPLAND & PASTURE (FROM LINE 194)	63,630.04		63,630.04
12	CROPLAND NOT HARVESTED & SOIL BUILDING	1,507.31		1,507.31
13	ACRES IRRIGATED (LINES 11 +12)	65,137.35		65,137.35
14	FALLOW OR IDLE	1,583.00		1,583.00
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	66,720.35		66,720.35
	LANDS NOT IN IRRIGATION ROTATION (ACRES)			
16	DRY CROPPED, IDLE, FALLOW OR GRAZED			0.00
17	FARMSTEADS, ROADS, DITCHES, DRAINS	0.00		0.00
18	TOTAL AREA NOT IN IRRIGATION ROTATION (LINES 16+17)	0.00		0.00
19	NON-AGRICULTURAL (ROADS, DRAINS, GARDENS, URBAN AREAS)	1,141.00		1,141.00
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	67,861.35		67,861.35
21	TOTAL IRRIGATABLE LAND NOT FOR SERVICE			0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	67,861.35		67,861.35
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			\$78,344,795.25
32	ADDITIONAL REVENUE:		(22-30)	
33	FEDERAL FSA PAYMENTS			
34	SUGAR PROGRAM			
35	TOTAL ADDITIONAL REVENUE (LINES 33+34)			\$0.00
36	TOTAL VALUE (GROSS CROP VALUE PLUS ADDITIONAL REVENUE-31+35)			\$78,344,795.25
37	TOTAL IRRIGATED ACREAGE (FROM LINE 13)			65,137.35
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			\$1,202.76
	PART C - NUMBER OF FARMS AND POPULATION			
		NO. OF FARMS	IRRIG. AC.	POPULATION
41	FULL TIME FARMS (Est.)	290.00		
42	PART TIME FARMS (Est.)	120.00		
43	NON-AGRICULTURAL LANDS (ACRES FROM LINE 19)			1,141.00
44	TOTAL (ACRES FROM LINE 20)			67,861.35

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2016 - CALIFORNIA

PART D - CROP PRODUCTION

Edited by: JTR 01/27/2017

LINE CODE	CROPS IRRIGATED IN IRR. ROTATION	ACRES	UNIT	YIELD		VALUE OF CROPS			
				PER ACRE	TOTAL	PER UNIT	PER ACRE	TOTAL	
CEREALS	50 BARLEY (malt/brew)	8587.0	BU.	119.79	1,028,651.04	4.800	575.00	4,937,525.00	
	51 BARLEY (feed)	4394.0	BU.	93.75	411,932.81	3.120	292.50	1,285,230.38	
	52 CORN	0.0	BU.	0.00	0.00	0.000	0.00	0.00	
	53 OATS	1172.7	BU.	148.44	174,067.71	2.400	356.25	417,762.50	
	57 WHEAT	10850.0	BU.	110.00	1,193,500.00	4.248	467.28	5,069,988.00	
	58 OTHER CEREALS	0.0	BU.	50.00	0.00	3.150	157.50	0.00	
	TOTAL CEREALS	25003.6						11,710,505.88	
FORAGE	61 ALFALFA HAY	21044.0	TON	6.50	136,786.00	140.00	910.00	19,150,040.00	
	62 OTHER HAY	2239.0	TON	4.75	10,635.25	170.00	807.50	1,807,992.50	
	63 IRRIGATED PASTURE	2253.4	AUM	5.00	11,267.13	15.00	75.00	169,006.88	
	65 SILAGE OR ENSILAGE (CORN)	233.0	TON	145.00	33,785.00	10.00	1,450.00	337,850.00	
	70 OTHER FORAGE (SPECIFY)		TON		0.00		0.00	0.00	
	TOTAL FORAGE	25769.4						21,464,889.38	
OTHER	87 PEPPERMINT	2380.0	LBS	85.00	202,300.00	21.00	1,785.00	4,248,300.00	
	91 HORSERADISH	328.0	TON	2.50	820.00	500.00	1,250.00	410,000.00	
	92 CANOLA		LBS		0.00		0.00	0.00	
	TOTAL MISCELLANEOUS FIELD CROPS	2708.0						4,658,300.00	

VEGETABLES	101	BROCCOLI	0.0	CWT	0.00	0.00	0.00	0.00	0.00	0.00
	113	LETTUCE (ROMAINE)	0.0	LBS		0.00	0.00	0.00	0.00	0.00
	117	CARROTS	0.0	CWT	0.00	0.00	0.00	0.00	0.00	0.00
	118	ONIONS	2521.0	CWT	500.00	1,260,500.00	8.20	4,100.00	10,336,100.00	
	119	PEAS, GREEN (PROCESSING)	0.0	TON	0.00	0.00	0.00	0.00	0.00	
	122	POTATOES, CHIP	3894.0	CWT	500.00	1,947,000.00	9.00	4,500.00	17,523,000.00	
	123	POTATOES, FRESH	3694.0	CWT	425.00	1,569,950.00	8.00	3,400.00	12,559,600.00	
NURSERY	124	SQUASH	0.0	TON		0.00		0.00	0.00	
		OTHER VEGETABLES (Garlic)	40.0	CWT	110.00	4,400.00	21.00	2,310.00	92,400.00	
		TOTAL VEGETABLES	10149.0						40,511,100.00	
	137	STRAWBERRY ROOTSTALK	0.0	PLNT	300,000.00	0.00	0.083	24,900.00	0.00	
	138	TURF	0.0	FT ²	0.00	0.00	0.30	0.00	0.00	
		TOTAL NURSERY	0.0						0.00	
SEED	147	PEA SEED		CWT	0.00	0.00	0.00	0.00	0.00	
	148	POTATO SEED	0.0	CWT	350.00	0.00	17.00	5,950.00	0.00	
	150	OTHER SEED (Sunflower)		LBS	400.00	0.00	1.25	500.00	0.00	
		TOTAL SEED	0.0						0.00	
FRUITS	175	OTHER FRUITS (Specify)			0.00	0.00	0.00	0.00	0.00	
	177	GRAPES, WINE			0.00	0.00	0.00	0.00	0.00	
		TOTAL FRUITS							0.00	
TOTALS	192	TOTAL ALL CROPS	63630.0						78,344,795.25	
	193	LESS MULTIPLE CROPPED								
	194	TOTAL HARVESTED CROPLAND AND PASTURE	63630.0						78,344,795.25	