



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
2.1.3.11 (WTR-3.00)

FEB 24 2020

VIA ELECTRONIC MAIL ONLY

Bureau of Reclamation
Scott Springer, Land Resources Manager (CGB-440)
2800 Cottage Way
Sacramento, California 95825

Subject: 2018 Crop Report, Klamath Project, Oregon-California

Enclosed are the completed Crop Production forms for the 2018 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 data reported by Oregon State University-Klamath Experiment Station, Siskiyou County Agricultural Department and/or Tulelake Irrigation District.

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

Table 1. CROP STATISTICS (acres)	2018	2017	Change	% Change
*WATER RENTAL	952	1,150	-198	-17%
IDLED LANDS	11,735	4,340	7,395	170%
ROW CROP (Potatoes & Onions)	15,169	15,070	99	1%
HAY	75,879	75,929	-50	0%
GRAIN	46,268	49,336	-3,067	-6%
PASTURE	41,323	44,035	-2,711	-6%
GROSS CROP VALUE - OR	96,026,485	79,770,384	16,256,101	20%
GROSS CROP VALUE - CA	90,729,348	84,751,781	5,977,568	7%
TOTAL GROSS CROP VALUE	186,755,833	168,552,187	22,233,669	11%
* 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	320,007	412,117	-92,110	-22%
CLEAR LAKE RESERVOIR	28,803	27,450	1,353	5%
GERBER RESERVOIR	28,398	27,807	591	2%

Crop Narrative: Moderate to severe drought conditions affected agriculture production in 2018; irrigation water was limited, fallowed acres increased, short irrigation season impacted yield and

quality. Initial Project supply was limited to approximately 60% of historical full demand and \$10.3M was allocated as mitigation.

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

Sincerely,



James Gale
Chief, Engineering Division

Enclosures

Identical Letter Sent To:

Tulelake Irrigation District
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U.C. Intermountain Research and
Extension Center, Superintendent
rgwilson@ucanr.edu

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

Klamath Water Users Association
chelsea@kwua.org

cc: KO-400 (MGreen, SWestfall)
(w/encl)

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2018

	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)	62,573.90		62,573.90
12	CROPLAND NOT HARVESTED & SOIL BUILDING	1,276.00		1,276.00
13	ACRES IRRIGATED (LINES 11 +12)	63,849.90		63,849.90
14	FALLOW OR IDLE	3,515.00		3,515.00
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	67,364.90		67,364.90
	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)	1,118.00		1,118.00
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	68,482.90		68,482.90
21	TOTAL IRRIGATABLE LAND NOT FOR SERVICE			0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	68,482.90		68,482.90
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			\$90,729,348.25
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)			\$90,729,348.25
37	TOTAL IRRIGATED ACREAGE (FROM LINE 13)			63,849.90
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			\$1,420.98
	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)		1,118.00	
44	TOTAL (ACRES FROM LINE 20)		68,482.90	

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2018 - CALIFORNIA

PART D - CROP PRODUCTION									
	LINE	CROPS IRRIGATED IN IRR. ROTATION	ACRES	UNIT	YIELD		VALUE OF CROPS		
	CODE				PER ACRE	TOTAL	PER UNIT	PER ACRE	TOTAL
C E R E A L S	50	BARLEY (malt/brew)	7579.0	BU.	122.92	931,585.42	4.080	501.50	3,800,868.50
	51	BARLEY (feed)	3980.0	BU.	122.92	489,208.33	3.480	427.75	1,702,445.00
	52	CORN	0.0	BU.	0.00	0.00	0.000	0.00	0.00
	53	OATS	110.0	BU.	150.00	16,500.00	2.432	364.80	40,128.00
	57	WHEAT	10659.0	BU.	121.67	1,296,845.00	5.400	657.00	7,002,963.00
	58	OTHER CEREALS	0.0	BU.	83.33	0.00	3.600	300.00	0.00
		TOTAL CEREALS	22328.0						12,546,404.50
F O R A G E	61	ALFALFA HAY	23843.0	TON	6.50	154,979.50	200.00	1,300.00	30,995,900.00
	62	OTHER HAY	1695.0	TON	4.50	7,627.50	195.00	877.50	1,487,362.50
	63	IRRIGATED PASTURE	2136.9	AUM	5.00	10,684.50	22.50	112.50	240,401.25
	65	SILAGE OR ENSILAGE (CORN)	0.0	TON	145.00	0.00	10.00	1,450.00	0.00
	70	OTHER FORAGE (SPECIFY)	0.0	TON		0.00		0.00	0.00
		TOTAL FORAGE	27674.9						32,723,663.75
O T H E R	87	PEPPERMINT	2077.0	LBS	90.00	186,930.00	20.00	1,800.00	3,738,600.00
	91	HORSERADISH	448.0	TON	2.50	1,120.00	500.00	1,250.00	560,000.00
	92	CANOLA		LBS		0.00		0.00	0.00
		TOTAL MISCELLANEOUS FIELD CROPS	2525.0						4,298,600.00

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2018 - CALIFORNIA

V E G E T A B L E S	101	BROCCOLI	0.0	CWT	0.00	0.00	0.00	0.00	0.00
	113	LETTUCE	520.0	CWT	65.00	33,800.00	100.00	6,500.00	3,380,000.00
	117	CARROTS	0.0	CWT	0.00	0.00	0.00	0.00	0.00
	118	ONIONS	2096.0	CWT	446.00	934,816.00	7.50	3,345.00	7,011,120.00
	119	PEAS, GREEN (PROCESSING)	18.0	TON	1.30	23.40	0.00	0.00	0.00
	122	POTATOES, CHIP	3651.0	CWT	465.00	1,697,715.00	9.00	4,185.00	15,279,435.00
	123	POTATOES, FRESH	3697.0	CWT	500.00	1,848,500.00	8.25	4,125.00	15,250,125.00
	124	SQUASH	0.0	TON		0.00		0.00	0.00
	127	OTHER VEGETABLES (Garlic)	64.0	CWT	150.00	9,600.00	25.00	3,750.00	240,000.00
		TOTAL VEGETABLES	10046.0						41,160,680.00
N U R S E R	137	STRAWBERRY ROOTSTALK	0.0	1K PLNT	350.00	0.00	140.000	49,000.00	0.00
	138	TURF	0.0	FT ²	0.00	0.00	0.30	0.00	0.00
		TOTAL NURSERY	0.0						0.00
S E E D	147	PEA SEED	0.0	TON	1.25	0.00	240.00	300.00	0.00
	148	POTATO SEED	0.0	CWT		0.00		0.00	0.00
	150	OTHER SEED (Sunflower)		LBS	400.00	0.00	1.25	500.00	0.00
		TOTAL SEED	0.0						0.00
F R U I T S	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
	192	TOTAL ALL CROPS	62573.9						90,729,348.25
	193	LESS MULTIPLE CROPPED							
	194	TOTAL HARVESTED CROPLAND AND PASTURE	62573.9						90,729,348.25

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2018

	PROJECT AND SUBDIVISION: KLAMATH	STATE: OREGON		
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)	119,857.53		119,857.53
12	CROPLAND NOT HARVESTED & SOIL BUILDING	2,494.00		2,494.00
13	ACRES IRRIGATED (LINES 11 +12)	122,351.53		122,351.53
14	FALLOW OR IDLE	8,220.00		8,220.00
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	130,571.53		130,571.53
	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)	6,014.74		6,014.74
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	136,586.27		136,586.27
21	TOTAL IRRIGATABLE LAND NOT FOR SERVICE	0.00		0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	136,586.27		136,586.27
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			\$96,026,484.65
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)			\$96,026,484.65
37	TOTAL IRRIGATED ACREAGE (FROM LINE 13)			122,351.53
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			\$784.84
	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)		6,014.74	
44	TOTAL (ACRES FROM LINE 20)		136,586.27	

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2018 - OREGON

PART D - CROP PRODUCTION									
0.00									
	LINE CODE	CROPS IRRIGATED IN IRRIG. ROTATION	ACRES	UNIT	YIELD		VALUE OF CROPS (\$)		
					PER ACRE	TOTAL	PER UNIT	PER ACRE	TOTAL
C E R E A L S	50	BARLEY (malt)	1,461.40	BU.	104.48	152,685.85	4.08	501.50	732,892.10
	51	BARLEY (feed)	8,013.20	BU.	104.48	837,212.46	3.48	427.75	3,427,646.30
	52	CORN	0.00	BU.	0.00	0.00	0.00	0.00	0.00
	53	OATS	1,011.10	BU.	127.50	128,915.25	2.43	364.80	368,849.28
	57	WHEAT	12,075.50	BU.	103.42	1,248,807.96	5.40	657.00	7,933,603.50
	58	OTHER CEREALS	1,379.00	BU.	70.83	97,679.17	3.60	300.00	413,700.00
	59	TOTAL CEREALS	23,940.20						12,876,691.18
F O R A G E	61	ALFALFA HAY	41,628.00	TON	5.53	229,994.70	200.00	1,105.00	45,998,940.00
	62	OTHER HAY	8,713.10	TON	3.83	33,327.61	195.00	745.88	6,498,883.46
	63	IRRIGATED PASTURE	39,186.53	AUM	4.25	166,542.75	22.50	95.63	3,747,211.93
	65	SILAGE OR ENSILAGE	0.00	TON	123.25	0.00	10.00	1,232.50	0.00
	70	OTHER FORAGE (Oat Hay)	300.00	TON	5.00	1,500.00	195.00	975.00	292,500.00
	71	TOTAL FORAGE	89,827.63						56,537,535.39
O T H E R	81	BEANS, DRY & EDIBLE	0.00	CWT					
	87	PEPPERMINT	90.00	LBS	76.50	6,885.00	20.00	1,530.00	137,700.00
	89	SUGAR BEETS		TON					
	91	OTHER MISC. FIELD CROPS (Specify)	0.00	TON		0.00		0.00	0.00
	92	TOTAL MISCELLANEOUS FIELD CROPS	90.00						137,700.00

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2018 - OREGON

V E G E T A B L E S	110	SWEET CORN		CWT					
	117	CARROTS		CWT		0.00		0.00	0.00
	105	CABBAGE		CWT		0.00		0.00	0.00
	118	ONIONS	1,375.00	CWT	379.10	521,262.50	7.50	2,843.25	3,909,468.75
	119	PEAS, GREEN (PROCESSING)		CWT					
	122	POTATOES, CHIP	3,568.70	CWT	395.25	1,410,528.68	9.00	3,557.25	12,694,758.08
	123	POTATOES, FRESH	781.00	CWT	425.00	331,925.00	8.25	3,506.25	2,738,381.25
	127	OTHER VEGETABLES (Garlic)	32.00	CWT	0.00	0.00	25.00	0.00	0.00
	128	TOTAL VEGETABLES	5,756.70						19,342,608.08
N U R S E R Y	137	STRAWBERRY ROOTSTALK	135.00	1K PLNT	350.00	47,250.00	140.00	49,000.00	6,615,000.00
	138	TURF	25.00	FT ²	35,000.00	875,000.00	0.25	8,750.00	218,750.00
		TOTAL NURSERY	160.00						6,833,750.00
S E E D S	147	PEA SEED		CWT					
	148	POTATO SEED	71.00	CWT	400.00	28,400.00	10.50	4,200.00	298,200.00
	149	SUGAR BEET SEED		CWT.					
	150	OTHER SEED (Specify)		CWT					
	151	TOTAL SEED	71.00						298,200.00
F R U I T S	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
	177	WINE GRAPES	10.00			0.00		0.00	0.00
		TOTAL FRUITS	12.00						0.00
	192	TOTAL ALL CROPS	119,857.53						96,026,484.65
	193	LESS MULTIPLE CROPPED	0.00						
	194	TOTAL HARVESTED CROPLAND AND PASTURE	119,857.53						96,026,484.65