

# United States Department of the Interior

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



KO-400 WTR-3.00 JUL 31 2020

#### VIA ELECTRONIC MAIL ONLY

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

Subject: 2019 Crop Report, Klamath Project, Oregon-California

Enclosed are the completed Crop Production forms for the 2019 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	2019	Change	% Change
*WATER RENTAL	952	804	-148	-16%
IDLED LANDS	11,735	12,776	1,041	9%
ROW CROP (Potatoes & Onions)	15,169	20,378	5,210	34%
HAY	75,879	74,668	-1,211	-2%
GRAIN	46,268	45,816	-452	-1%
PASTURE	41,323	37,963	-3,361	-8%
GROSS CROP VALUE - OR	96,026,485	111,141,925	15,115,441	16%
GROSS CROP VALUE - CA	90,729,348	89,309,505	-1,419,844	-2%
TOTAL GROSS CROP VALUE	186,755,833	200,451,430	13,695,597	7%

<sup>\*</sup> 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	289,000	-31,007	-10%
CLEAR LAKE RESERVOIR	28,803	26,600	-2,203	-8%
GERBER RESERVOIR	28,398	25,200	-3,198	-11%

<u>Crop Narrative</u>: Above average winter precipitation supplied an ample irrigation water supply for the 2019 growing season with overall yields meeting or exceeding the average level of production. Due to limitations in estimating actual livestock numbers, pasture value is based on rent values instead of livestock values. This results in an underestimate for pasture, as livestock value typically exceeds pasture rent value. If you have any questions, please contact me at (541) 880-2565 or by electronic mail at mgreen@usbr.gov.

Sincerely,

Michael L. Green Senior Natural Resource Specialist

#### Enclosures

#### **Identical Letter Sent To:**

Tulelake Irrigation District bkirby.tid@cot.net

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

Klamath Water Users Association chelsea@kwua.org

OSU Extension Service brian.a.charlton@oregonstate.edu ian.mcgregor@oregonstate.edu

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

cc: KO-400 MGreen, KO-300 AOlsson, SWestfall (w/encl)

## **CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2019**

	PROJECT AND SUBDIVISION: KLAMATH	STATE: CALIFORNIA		
LINE	PROJECT AND SUBDIVISION. REAMATTI	STATE: CALII ORNIA		
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)	63,563.80		63,563.80
12	CROPLAND NOT HARVESTED & SOIL BUILDING	0.00		0.00
13	ACRES IRRIGATED (LINES 11 +12)	63,563.80		63,563.80
14	FALLOW OR IDLE	8,364.72		8,364.72
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	71,928.52		71,928.52
	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)	1,374.00		1,374.00
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	73,302.52		73,302.52
21	TOTAL IRRIGATABLE LAND NOT FOR SERVICE			0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	73,302.52		73,302.52
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			\$89,309,504.52
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			\$89,309,504.52
37	TOTAL IRRIGATED ACREAGE (FROM LINE 13)			63,563.80
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			\$1,405.04
	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)		1,374.00	
44	TOTAL (ACRES FROM LINE 20)		73,302.52	

#### **CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2019 - CALIFORNIA**

PAR	PART D - CROP PRODUCTION										
	LINE	CROPS IRRIGATED IN IRR. ROTATION	ACRES	UNIT	Υ	IELD	,	VALUE OF CI	ROPS		
	CODE				PER ACRE	TOTAL	PER UNIT	PER ACRE	TOTAL		
	50	BARLEY (malt/brew)	6219.0	BU.	122.92	764,418.75	4.080	501.50	3,118,828.50		
С	51	BARLEY (feed)	5835.0	BU.	122.92	717,213.83	3.480	427.75	2,495,904.14		
R	52	CORN	0.0	BU.	0.00	0.00	0.000	0.00	0.00		
EΙ	53	OATS	42.0	BU.	150.00	6,300.00	2.432	364.80	15,321.60		
CEREALS	57	WHEAT	11291.0	BU.	121.67	1,373,743.20	5.400	657.00	7,418,213.28		
S	58	OTHER CEREALS	0.0	BU.	83.33	0.00	3.600	300.00	0.00		
		TOTAL CEREALS	23387.0						13,048,267.52		
	61	ALFALFA HAY	24041.0	TON	6.50	156,266.50	200.00	1,300.00	31,253,300.00		
F O R A G E	62	OTHER HAY	2316.8	TON	4.50	10,425.60	195.00	877.50	2,032,992.00		
R	63	IRRIGATED PASTURE	1592.0	AUM	5.00	7,960.00	22.50	112.50	179,100.00		
Ğ	65	SILAGE OR ENSILAGE (CORN)	0.0	TON	145.00	0.00	10.00	1,450.00	0.00		
E	70	OTHER FORAGE (SPECIFY)	0.0	TON		0.00		0.00	0.00		
		TOTAL FORAGE	27949.8						33,465,392.00		
0	87	PEPPERMINT	1876.0	LBS	90.00	168,840.00	20.00	1,800.00	3,376,800.00		
T  H	91	HORSERADISH	457.0	TON	2.50	1,142.50	500.00	1,250.00	571,250.00		
O T H E R	92	CANOLA		LBS		0.00		0.00	0.00		
		TOTAL MISCELLANEOUS FIELD CROPS	2333.0						3,948,050.00		
		BROCCOLI	0.0	CWT	0.00	0.00	0.00	0.00	0.00		
V E G E T	113	LETTUCE (ROMAINE)	0.0		65.00	0.00	100.00	6,500.00	0.00		
G	117	CARROTS	0.0		0.00	0.00	0.00	0.00	0.00		
-	118	ONIONS	2750.0	CWT	446.00	1,226,500.00	7.50	3,345.00	9,198,750.00		
A   B		PEAS, GREEN (PROCESSING)	0.0	TON	1.30	0.00	0.00	0.00	0.00		
	122	POTATOES, CHIP	3832.0	CWT	465.00	1,781,880.00	9.00	4,185.00	16,036,920.00		
A B L E S	123	POTATOES, FRESH	3179.0	CWT	500.00	1,589,500.00	8.25	4,125.00	13,113,375.00		
	124	SQUASH	0.0	TON		0.00		0.00	0.00		
	127	OTHER VEGETABLES (Garlic)	133.0		150.00	19,950.00	25.00	3,750.00	498,750.00		
		TOTAL VEGETABLES	9894.0						38,847,795.00		

N				1K					
U	137	STRAWBERRY ROOTSTALK	0.0	PLNT	300,000.00	0.00	0.083	24,900.00	0.00
NURSER	138	TURF	0.0	FT <sup>2</sup>	0.00	0.00	0.30	0.00	0.00
R		TOTAL NURSERY	0.0						0.00
	147	PEA SEED	0.0	TON	1.25	0.00	240.00	300.00	0.00
E	148	POTATO SEED	0.0	CWT	350.00	0.00	17.00	5,950.00	0.00
S E E D	150	OTHER SEED (Sunflower)		LBS	400.00	0.00	1.25	500.00	0.00
		TOTAL SEED	0.0						0.00
F	161	APPLES				0.00		0.00	0.00
R	163	BERRIES, EXCEPT STRAWBERRIES				0.00		0.00	0.00
	175	OTHER FRUITS (Specify)			0.00	0.00	0.00	0.00	0.00
T	177	GRAPES, WINE			0.00	0.00	0.00	0.00	0.00
s		TOTAL FRUITS							0.00
	192	TOTAL ALL CROPS	63563.8						89,309,504.52
	193	LESS MULTIPLE CROPPED							
	194	TOTAL HARVESTED CROPLAND AND PASTURE	63563.8						89,309,504.52

## **CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2019**

	PROJECT AND SUBDIVISION: KLAMATH	STATE: OREGON		
LINE	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)	125,913.73		125,913.73
12	CROPLAND NOT HARVESTED & SOIL BUILDING	1,311.00		1,311.00
13	ACRES IRRIGATED (LINES 11 +12)	127,224.73		127,224.73
14	FALLOW OR IDLE	4,411.70		4,411.70
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	131,636.43		131,636.43
	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)	6,778.04		6,778.04
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	138,414.47		138,414.47
21	TOTAL IRRIGATABLE LAND NOT FOR SERVICE	0.00		0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	138,414.47		138,414.47
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			\$111,141,925.19
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			\$111,141,925.19
37	TOTAL IRRIGATED ACREAGE (FROM LINE 13)			127,224.73
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			\$873.59
	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)		6,778.04	
44	TOTAL (ACRES FROM LINE 20)		138,414.47	

## **CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2019 - OREGON**

PAR	T D-C	ROP PRODUCTION		0.00					
	LINE	CROPS IRIGATED IN IRRIG. ROTATION	ACRES	UNIT	١	/IELD	V	ALUE OF CR	OPS (\$)
	CODE				PER ACRE	TOTAL	PER UNIT	PER ACRE	TOTAL
	50	BARLEY (malt)	3,526.00	BU.	104.48	368,393.54	4.08	501.50	1,768,289.00
C	51	BARLEY (feed)	7,015.20	BU.	104.48	732,942.25	3.48	427.75	3,000,751.80
C E R E A	52	CORN	63.00	BU.	0.00	0.00	0.00	0.00	0.00
E    A	53	OATS	1,114.00	BU.	127.50	142,035.00	2.43	364.80	406,387.20
L S	57	WHEAT	8,710.10	BU.	103.42	900,769.51	5.40	657.00	5,722,535.70
5	58	OTHER CEREALS	2,064.00	BU.	70.83	146,200.00	3.60	300.00	619,200.00
	59	TOTAL CEREALS	22,492.30						11,517,163.70
	61	ALFALFA HAY	41,534.90	TON	5.53	229,480.32	200.00	1,105.00	45,896,064.50
F	62	OTHER HAY	6,775.50	TON	3.83	25,916.29	195.00	745.88	5,053,676.06
R	63	IRRIGATED PASTURE	42,943.33	AUM	4.25	182,509.15	22.50	95.63	4,106,455.93
R A G E	65	SILAGE OR ENSILAGE	659.00	TON	123.25	81,221.75	10.00	1,232.50	812,217.50
E	70	OTHER FORAGE	247.50	TON					0.00
	71	TOTAL FORAGE	92,160.23						55,868,413.99
О	81	BEANS, DRY & EDIBLE	39.00	CWT					
	87	PEPPERMINT	90.00	LBS	76.50	6,885.00	20.00	1,530.00	137,700.00
H E R	89	SUGAR BEETS		TON					
R	91	OTHER MISC. FIELD CROPS (Specify)	133.00	TON		0.00		0.00	0.00
Ш	92	TOTAL MISCELLANEOUS FIELD CROPS	262.00						137,700.00
	110	SWEET CORN		CWT					
V E G E T	117	CARROTS		CWT		0.00		0.00	0.00
Ğ	105	CABBAGE		CWT		0.00		0.00	0.00
	118	ONIONS	1,208.00	CWT	379.10	457,952.80	7.50	2,843.25	3,434,646.00
A	119	PEAS, GREEN (PROCESSING)		CWT					
A B L E S	122	POTATOES, CHIP	7,044.00	CWT	395.25	2,784,141.00	9.00	3,557.25	25,057,269.00
E    S	123	POTATOES, FRESH	2,365.20	CWT	425.00	1,005,210.00	8.25	3,506.25	8,292,982.50
	127	OTHER VEGETABLES (Garlic)	210.00	CWT	0.00	0.00	25.00	0.00	0.00
	128	TOTAL VEGETABLES	10,827.20						36,784,897.50

N U	137	STRAWBERRY ROOTSTALK	135.00	1K PLNT	350.00	47,250.00	140.00	49,000.00	6,615,000.00
U R S E R				FT <sup>2</sup>		47,250.00	140.00	49,000.00	
E	138	TURF	25.00	ГІ	35,000.00	875,000.00	0.25	8,750.00	218,750.00
R		TOTAL NURSERY	160.00						6,833,750.00
s	147	PEA SEED		CWT					
S E E D S	148	POTATO SEED	0.00	CWT	400.00	0.00	10.50	4,200.00	0.00
D D	149	SUGAR BEET SEED		CWT.					
S	150	OTHER SEED (Specify)		CWT					
	151	TOTAL SEED	0.00						0.00
F	161	APPLES	2.00			0.00		0.00	0.00
R	163	BERRIES, EXCEPT STRAWBERRIES				0.00		0.00	0.00
Ĭ	175	OTHER FRUITS (Specify)				0.00		0.00	0.00
S	177	WINE GRAPES	10.00			0.00		0.00	0.00
		TOTAL FRUITS	12.00						0.00
	192	TOTAL ALL CROPS	125,913.73						111,141,925.19
	193	LESS MULTIPLE CROPPED	0.00						
	194	TOTAL HARVESTED CROPLAND AND PASTURE	125,913.73						111,141,925.19