



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(MGreen)
WTR-3.00

JAN - 4 2011

MEMORANDUM

To: Land Resources Manager
Attn: MP-450 (CJohnson)

From: Rick Strahan
Deputy Area Manager

Subject: 2010 Crop Report, Klamath Project, Oregon-California

Attached are the completed Crop Production forms for the 2010 crop year. As a requirement in the water contracts, all crop acreages are provided annually by irrigation districts. All values and yields used were obtained from Oregon State University, University of California, and Tulelake Irrigation District.

Due to drought conditions in the Klamath Basin, Klamath Project (Project) deliveries were reduced requiring many water users to idle land or use groundwater. Table 1 shows the crop acreage and value statistics compared to 2009.

Table 1. CROP STATISTICS	2010	2009	Change	% Change
*WATER RENTAL	1017	1826	-809	-44%
IDLED LANDS	35803	4962	30841	622%
ROW CROP (Potato/Onion)	12475	16172	-3697	-23%
HAY	66568	77253	-10685	-14%
GRAIN	39213	47153	-7940	-17%
PASTURE	40033	44564	-4531	-10%
GROSS CROP VALUE-OR	\$60,214,835	\$70,922,557	-\$10,707,722	-15%
GROSS CROP VALUE-CA	\$63,178,976	\$63,996,336	-\$817,360	-1%
TOTAL GROSS CROP VALUE	\$123,393,811	\$134,918,893	-\$11,525,082	-9%

Crop Narrative: Due to below average temperatures, above average precipitation, and high winds during May and June, row crops experienced reduced yields. While values for hay and potatoes increased, overall Project gross crop value dropped probably due to the increased amount of idled lands. As provided by Klamath Water and Power Agency, groundwater pumping supplemented approximately 101.2 thousand acre-feet for crop production.

If you have any questions, please contact Mike Green at 541-880-2565.

Attachments

cc: Tulelake Irrigation District (w/attachments)
P.O. Box 699
Tulelake, CA 96134

OSU Extension Service, Agricultural Agent (w/attachments)
3328 Vandenberg Road
Klamath Falls, OR 97603

UC Intermountain Research and Extension Center, Superintendent (w/attachments)
P.O. Box 850
Tulelake, CA 96134

Klamath County Assessor (w/attachments)
305 Main Street
Klamath Falls, OR 97601

Klamath Water Users Association (w/attachments)
2455 Patterson Street, Suite 3
Klamath Falls, OR 97603

KO-400 (MGreen) (w/ attachments)

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2010

	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)	50,634.00		50,634.00
12	CROPLAND NOT HARVESTED & SOIL BUILDING	4,078.20		4,078.20
13	ACRES IRRIGATED (LINES 11 +12)	54,712.20		54,712.20
14	FALLOW OR IDLE	15,990.60		15,990.60
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	70,702.80		70,702.80
	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)	1,246.00		1,246.00
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	71,948.80		71,948.80
21	TOTAL IRRIGABLE LAND NOT FOR SERVICE			0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	71,948.80		71,948.80
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			63,178,976.00
32	ADDITIONAL REVENUE:		(22-30)	
33	FEDERAL ASCS PAYMENTS (CHANGED TO FSA GRAIN			
34	SUGAR PROGRAM			
35	TOTAL ADDITIONAL REVENUE (LINES 33+34)			0.00
36	TOTAL VALUE (GROSS CROP VALUE PLUS ADDITIONAL REVENUE-31+35)			63,178,976.00
37	TOTAL IRRIGATED ACERAGE (FROM LINE 13)			54,712.20
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			1,154.75
	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)		1,246.00	
44	TOTAL (ACRES FROM LINE 20)		71,948.80	

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2010 - CALIFORNIA

PART D - CROP PRODUCTION

	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)	2766.0	BU.	105.60	292,089.60	3.906	412.50	1,140,975.00
	51	BARLEY (feed)	6374.6	BU.	105.60	673,157.76	3.646	385.00	2,454,221.00
	52	CORN	0.0	BU.	0.00	0.00	0.000	0.00	0.00
	53	OATS	439.0	BU.	64.00	28,096.00	5.859	375.00	164,625.00
	57	WHEAT	8293.0	BU.	141.60	1,174,288.80	3.958	560.50	4,648,226.50
	58	OTHER CEREALS		BU.	0.00	0.00	0.000	0.00	0.00
		TOTAL CEREALS	17872.6						8,408,047.50
FORAGE	61	ALFALFA HAY	16276.0	TON	6.00	97,656.00	160.00	960.00	15,624,960.00
	62	OTHER HAY	3816.0	TON	5.00	19,080.00	190.00	950.00	3,625,200.00
	63	IRRIGATED PASTURE	1555.0	AUM	5.00	7,775.00	15.00	75.00	116,625.00
	65	SILAGE OR ENSILAGE (CORN)		TON		0.00		0.00	0.00
	70	OTHER FORAGE (SPECIFY)		TON		0.00		0.00	0.00
		TOTAL FORAGE	21647.0						19,366,785.00
OTHER	87	PEPPERMINT	3035.0	LBS	82.00	248,870.00	22.00	1,804.00	5,475,140.00
	91	HORSERADISH	350.0	TON	2.50	875.00	500.00	1,250.00	437,500.00
	92	CANOLA		LBS		0.00		0.00	0.00
		TOTAL MISCELLANEOUS FIELD CROPS	3385.0						5,912,640.00
VEGETABLES	101	BROCCOLI	0.0	CWT	0.00	0.00	0.00	0.00	0.00
	113	LETTUCE (ROMAINE)	0.0	LBS		0.00	0.60	0.00	0.00
	117	CARROTS	0.0	CWT	0.00	0.00	0.00	0.00	0.00
	118	ONIONS	1883.4	CWT	420.00	791,028.00	5.75	2,415.00	4,548,411.00
	119	PEAS, GREEN (PROCESSING)	0.0	TON	3.50	0.00	75.00	262.50	0.00
	122	POTATOES, CHIP	2817.0	CWT	465.00	1,309,905.00	8.50	3,952.50	11,134,192.50
	123	POTATOES, FRESH	2948.0	CWT	500.00	1,474,000.00	8.00	4,000.00	11,792,000.00
	124	SQUASH	0.0	TON		0.00		0.00	0.00
	127	OTHER VEGETABLES (SPINACH)	0.0	CWT	11,000.00	0.00		0.00	0.00
		TOTAL VEGETABLES	7648.4						27,474,603.50
NURSERY	137	STRAWBERRY ROOTSTALK	81.0	PLNT	300,000.00	24,300,000.00	0.083	24,500.00	2,016,900.00
	138	TURF	0.0	FT ²	43,560.00	0.00	0.30	13,068.00	0.00
		TOTAL NURSERY	81.0						2,016,900.00
SEED	147	PEA SEED	0.0	CWT	0.00	0.00	0.00	0.00	0.00
	148	POTATO SEED		CWT	480.00	0.00	7.55	3,624.00	0.00
	150	OTHER SEED (Specify)		CWT	0.00	0.00	0.00	0.00	0.00
		TOTAL SEED	0.0						0.00
FRUITS	177	GRAPES, WINE			0.00	0.00	0.00	0.00	0.00
	175	OTHER FRUITS (SPECIFY)			0.00	0.00	0.00	0.00	0.00
		TOTAL FRUITS							0.00
	192	TOTAL ALL CROPS	50634.0						63,178,976.00
	193	LESS MULTIPLE CROPPED							
	194	TOTAL HARVESTED CROPLAND AND PASTURE	50634.0						63,178,976.00

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2010

	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)	111,660.20		111,660.20
12	CROPLAND NOT HARVESTED & SOIL BUILDING	462.00		462.00
13	ACRES IRRIGATED (LINES 11 +12)	112,122.20		112,122.20
14	FALLOW OR IDLE	19,812.90		19,812.90
15	TOTAL AREA IN IRRIGATION ROTATION (CULTIVATION) (LINES 13+14)	131,935.10		131,935.10
	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)	9,030.70		9,030.70
20	TOTAL IRRIGABLE AREA FOR SERVICE (LINES 15+18+19)	140,965.80		140,965.80
21	TOTAL IRRIGABLE LAND NOT FOR SERVICE	0.00		0.00
22	TOTAL IRRIGABLE AREA (LINES 20+21)	140,965.80		140,965.80
23	CLASS 6 - TEMPORARILY IRRIGATED			
	PART B - CROP VALUE SUMMARY			
31	GROSS CROP VALUE (FROM LINE 194)			60,214,834.75
32	ADDITIONAL REVENUE:		(22-30)	
33	FEDERAL ASCS PAYMENTS (CHANGED TO FSA GRAIN			
34	SUGAR PROGRAM			
35	TOTAL ADDITIONAL REVENUE (LINES 33+34)			0.00
36	TOTAL VALUE (GROSS CROP VALUE PLUS ADDITIONAL REVENUE-31+35)			60,214,834.75
37	TOTAL IRRIGATED ACERAGE (FROM LINE 13)			112,122.20
38	AVERAGE VALUE PER IRRIGATED ACRE (LINE 36/LINE 37)			537.05
	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)		9,030.70	
44	TOTAL (ACRES FROM LINE 20)		140,965.80	

CROP PRODUCTION AND WATER UTILIZATION DATA FOR 2010 - OREGON

PART D - CROP PRODUCTION

	LINE CODE	CROPS IRRIGATED IN IRR. 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)	130.00	BU.	108.48	14,102.40	3.906	423.75	55,087.50
	51	BARLEY (feed)	11,633.00	BU.	108.48	1,261,947.84	3.646	395.50	4,600,851.50
	52	CORN	0.00	BU.	0.00	0.00	0.000	0.00	0.00
	53	OATS	3,503.60	BU.	71.68	251,138.05	5.859	420.00	1,471,512.00
	57	WHEAT	5,360.00	BU.	149.40	800,784.00	3.958	591.38	3,169,770.00
	58	OTHER CEREALS	714.40	BU.	50.40	36,005.76	3.125	157.50	112,518.00
	59	TOTAL CEREALS	21,341.00						9,409,739.00
F O R A G E	61	ALFALFA HAY	34,336.40	TON	4.50	154,513.80	130.00	585.00	20,086,794.00
	62	OTHER HAY	12,139.90	TON	2.00	24,279.80	120.00	240.00	2,913,576.00
	63	IRRIGATED PASTURE	38,477.90	AUM	5.00	192,389.50	28.50	142.50	5,483,100.75
	65	SILAGE OR ENSILAGE	0.00	TON	20.00	0.00	50.00	1,000.00	0.00
	70	OTHER FORAGE (SPECIFY)	0.00	TON		0.00		0.00	0.00
	71	TOTAL FORAGE	84,954.20						28,483,470.75
O T H E R	81	BEANS, DRY & EDIBLE		CWT					
	87	PEPPERMINT	60.00	LBS	70.00	4,200.00	15.00	1,050.00	63,000.00
	89	SUGAR BEETS		TON					
	91	OTHER MISC. FIELD CROPS (horseradish, turf)		TON		0.00		0.00	0.00
	92	TOTAL MISCELLANEOUS FIELD CROPS	60.00						63,000.00
V E G E T A B L E S	101	BROCCOLI		CWT					
	117	CARROTS		CWT		0.00		0.00	0.00
	105	CABBAGE		CWT		0.00		0.00	0.00
	118	ONIONS	563.00	CWT	420.00	236,460.00	6.25	2,625.00	1,477,875.00
	119	PEAS, GREEN (PROCESSING)		TON		0.00		0.00	0.00
	122	POTATOES, CHIP	398.00	CWT	380.00	151,240.00	7.75	2,945.00	1,172,110.00
	123	POTATOES, FRESH	3,866.00	CWT	380.00	1,469,080.00	5.50	2,090.00	8,079,940.00
	127	OTHER VEGETABLES	13.00	CWT		0.00	312.00	0.00	0.00
	128	TOTAL VEGETABLES	4,840.00						10,729,925.00
N U R S E R Y	137	STRAWBERRY ROOTSTALK	463.00	PLNT	300,000.00	138,900,000.00	0.083	24,900.00	11,528,700.00
	138	TURF	0.00	FT ²	43,560.00	0.00	0.30	13,068.00	0.00
		TOTAL NURSERY	463.00						11,528,700.00
S E E D S	147	PEA SEED		CWT					
	148	POTATO SEED	0.00	CWT	480.00	0.00	7.55	3,624.00	0.00
	149	SUGAR BEET SEED		CWT					
	150	OTHER SEED (Specify)		CWT					
	151	TOTAL SEED	0.00						0.00
F R U I T S	163	BERRIES (NOT STRAWBERRIES)	0.00	lbs	3,300.00	0.00	0.80	2,640.00	0.00
	177	GRAPES, WINE				0.00		0.00	0.00
	160	STRAWBERRIES		pits		0.00		0.00	0.00
	175	OTHER FRUITS (APPLES)	2.00			0.00		0.00	0.00
		TOTAL FRUITS	2.00						0.00
	192	TOTAL ALL CROPS	111,660.20						60,214,834.75
	193	LESS MULTIPLE CROPPED	0.00						
	194	TOTAL HARVESTED CROPLAND AND PASTURE	111,660.20						60,214,834.75