

BARLEY
Flood Irrigation
Tulelake



University of California
Cooperative Extension
by
Harry L. Carlson
Don Kirby
UC Cooperative Extension

COSTS TO PRODUCE BARLEY -FLOOD IRRIGATION, TULELAKE, CALIFORNIA

Prepared by Harry L. Carlson & Don Kirby
University of California Cooperative Extension

REVISED 7/9/87

OPERATION	HOURS/ ACRE	CASH COSTS PER ACRE (\$)			TOTAL
		LABOR	TRACTOR	IMPLT MATERIAL	
FIELD PREPARATION					
BURN		.03		.02	.05
DISC	.14	.79	1.31	.30	2.40
FERTILIZE-NH3	.04	.22	.37	12.00	12.59
DITCH 2X	.10	1.10	1.79	.55	3.44
CHECK	.04	.20	.33	.02	.55
KNOCK DITCHES IN 2X	.10	1.10	1.79	.55	3.44
VIBRE SHANK W/ HARROWS	.14	.79	1.31	.23	2.32
MOVE EQUIP., SETUP & SERVICE @ 15% OF LABOR COSTS					7.94
TOTAL SEED BED PREPARATION COST:					32.74
PLANTING					
PLANT + CLOD STOMPER	.11	.63	1.01	.84	2.48
FERTILIZER 16-20-0				9.65	9.65
SEED				14.40	14.40
MOVE EQUIP., SETUP & SERVICE @ 15% OF LABOR COSTS					.73
TOTAL PLANTING COSTS:					27.26
GROWING					
HERBICIDE				9.50	17.41
INSECTICIDE				4.75	1.38
IRRIGATION COST		2.00			2.00
PRIVATE WATER COSTS					17.00
MOVE EQUIP., SETUP & SERVICE @ 15% OF LABOR COSTS					2.30
TOTAL GROWING COSTS:					54.34

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HARVEST				
COMBINE	.32	1.77	10.35	12.13
HAUL	.32	1.77	1.05	2.82
MOVE EQUIP., SETUP & SERVICE @ 15% OF LABOR COSTS				4.08
TOTAL HARVEST COSTS:				19.03
OVERHEAD COSTS				
MANAGEMENT/SUPERVISION			10.67	10.67
LAND RENT			70.00	70.00
PRODUCTION LOAN INTEREST COST			16.00	16.00
PICKUP & TRUCK USE	.11		.15	.15
BUILDINGS (TAXES, INS., REPAIRS)			1.00	1.00
TOTAL MISCELLANEOUS COSTS:				97.82
TOTAL CULTURAL AND HARVEST COSTS				231.19
INVESTMENT				
DEPRECIATION				
TRACTORS, IMPLEMENTS				33.43
FARM BUILDINGS & SHOP				.56
INTEREST				
TRACTORS, IMPLEMENTS				16.75
FARM BUILDINGS & SHOP				1.23
TOTAL INVESTMENT COSTS:				51.96
TOTAL COSTS PER ACRE				283.15
COST PER TON.	BASED ON 3.50 TON/A			80.90

COMBINED EQUIPMENT OPERATING COSTS FOR PRODUCTION OF POTATOES AND BARLEY IN THE TULELAKE BASIN

FARM AVERAGE BASE: 200 ACRES POTATOES
400 ACRES BARLEY

ITEM #	DESCRIPTION	NUMBER REQUIRED	OPERATING COSTS			CROP USE --HOURS/ACRE--		CROP USE --HOURS/YEAR--		ANNUAL USE (HRS)	CROP USE FACTOR --PER ACRE--	
			FUEL	REPAIRS	TOTAL	POTATO	GRAIN	POTATO	GRAIN		POTATO	GRAIN
1	160 hp wheel diesel	1	6.01	3.93	9.93	.40		79.5		80	1.00	.00
2	140 HP wheel diesel	1	5.26	3.93	9.18	1.76	.32	351.7	128.0	480	.85	.15
3	130 HP wheel diesel	1	4.88	3.93	8.81	1.61	.29	322.9	115.7	439	.85	.15
4	60 HP wheel diesel	1	3.27	1.64	4.90	.39		77.3		77	1.00	.00
5	CAT TD-9	1		8.96	8.96		.40		160.0	160	.00	1.00
6	Disc-12'	1		3.45	3.45	.21	.21	42.6	85.2	128	.50	.50
7	Ripper-6'	1		2.55	2.55	.33		66.6		67	1.00	.00
8	Soil Conditioner-13'	1		2.68	2.68	.15		30.8		31	1.00	.00
9	Chisel Plow-13'	1		2.68	2.68	.17		34.5		35	1.00	.00
10	Rototill-12'	1		4.00	4.00	.24		48.8		49	1.00	.00
11	Badder w/ Fert	1		10.62	10.62	.26		52.6		53	1.00	.00
12	Planter-4 row	1		3.32	3.32	.33		66.6		67	1.00	.00
13	Cultivator-4 row	1		1.65	1.65	.40		80.0		80	1.00	.00
14	Pipe Trailer	2		.17	.17	.32		64.0		64	1.00	.00
15	Beater-12'	1		2.12	2.12	.12		23.0		23	1.00	.00
16	Wind Rower-2 row	1		1.07	1.07	.67		133.3		133	1.00	.00
17	Bulker w/ blower	1		12.01	12.01	.67		133.3		133	1.00	.00
18	Truck w/ bed	3	3.08	.17	3.25	4.50	.64	900.0	256.0	1,156	.88	.12
19	Elevator	1		.49	.49	.67		134.0		134	1.00	.00
20	Drill w/ fert 12'	1		5.79	5.79		.115		46.0	46	.00	1.00
21	Clod Stomper-12'	1		1.48	1.48		.115		46.0	46	.00	1.00
22	Vibra Shank-13'	1		1.59	1.59		.145		58.0	58	.00	1.00
23	Combine-1460	1	3.08	29.22	32.30		.3225		129.0	129	.00	1.00
24	Checkers	1		.60	.60		.37		148.0	148	.00	1.00
25	Ditcher	1		2.76	2.76		.20		80.0	80	.00	1.00
26	Squeeze	1		2.33	2.33		.20		80.0	80	.00	1.00
27	Harrow-13'	1		.62	.62		.145		58.0	58	.00	1.00
28	Roller-12'	1		.60	.60	.07		13.3		13	1.00	.00
29	Pickup-3/4 ton	1	1.50	.08	1.57	.55	.11	110.0	44.0	154	.83	.17
30	Sprinkler irrig. sys./A 200			24.36	24.36				100.0			
31	Irrigation pump (60 HP) 3		9.00	6.42	15.42				100.0			

