

BARLEY - DRYLAND

1974 - Cost Analysis Work Sheet

BARLEY-DRYLAND YIELD - 2500 lbs/acre

Operating Costs/hour

	Fuel & Repairs	Deprec.	Interest	Total
Equipment Operator - \$3.83* per hr total	CT-Crawler tractor 80 hp \$ 6.55	\$2.60	\$1.98	\$11.13
Other Labor - \$2.98* per hr total	WT-Wheel tractor 60 hp 2.70	1.60	.80	5.10

Operation	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre	
						Kind and Amount	Costs	Sample	Years
Cultural Costs		Ac.	Hr.	\$	\$		\$	\$	
Disc 2x	CT	2.0	.5	1.92	3.28				5.20
Subsoil	CT	3.3	.3	1.15	1.97				3.12
(1/2 acreage each year)									
Fertilizer						Nitrogen-40 lbs + Application \$4	11.60		11.60
Plant	WT	5.0	.2	.77	.54	Seed-70 lbs @ \$8	5.60		6.91
Weed Control						2,4-D applied	3.50		3.50
Repairs to equipment					2.75				2.75
Miscellaneous		10.0	.1				1.30		1.30
Total Cultural Costs			1.1	\$ 3.84	\$ 8.54		\$22.00		\$34.38
Harvesting Costs									
Combine						2500 lbs @ 50¢	12.50		12.50
Haul to Storage						2500 lbs @ 20¢	5.00		5.00
Total Harvesting Costs							\$17.50		\$17.50
Total Harvesting & Cultural Costs									\$51.88
Rent						25% of 2500 lbs @ \$5.50			\$34.38
Business & Miscellaneous Costs						6% of cultural, harvest cost & rent			5.18
Depreciation & Interest						Depreciation Interest 8%			
						CT-crawler tractor 80 hp - .8 hr.	\$2.08	\$1.58	
						WT-wheel tractor 60 hp .2 hr.	.32	.16	
						Other equip. \$30 - 10 years	3.00	1.20	
Total Depreciation & Interest									8.34
Total Cost Per Acre									99.78
Cost per CWT.									3.99

*Social Security, Workman's Compensation included

BARLEY-DRYLAND - PROFITS AS AFFECTED BY YIELD AND PRICE

Yield Cwt/Acre	Total Production Cost/Acre \$	Barley-Dryland - Price Per Cwt.						
		\$ 3.00	\$ 3.50	\$ 4.00	\$ 4.50	\$ 5.00	\$ 5.50	\$ 6.00
		\$ - Profit or Loss Per Acre						
20	83.68	-23.68	-13.68	-3.68	+6.32	+16.32	26.32	36.32
22	85.08	-19.08	- 8.08	+2.92	13.92	24.92	35.92	46.92
24	86.48	-14.48	- 2.48	+9.52	21.52	33.52	45.52	57.52
26	87.88	- 9.88	+ 3.12	16.12	29.12	42.12	55.12	68.12
28	89.28	- 5.28	+ 8.72	22.72	36.72	50.72	64.72	78.72
30	90.68	- .68	+14.32	29.32	44.32	59.32	74.32	89.32
32	92.08	+ 3.92	19.92	35.92	51.92	67.92	83.92	99.92
34	93.48	8.52	25.52	42.52	59.52	76.52	93.52	110.52
36	94.88	13.12	31.12	49.12	67.12	85.12	103.12	121.12
38	96.28	17.72	36.72	55.72	74.72	93.72	112.72	131.72
40	97.68	22.32	42.32	62.32	82.32	102.32	122.32	142.32
42	99.08	26.92	47.92	68.92	89.92	110.92	131.92	152.92
44	100.48	31.52	53.52	75.52	97.52	119.52	141.52	163.52
46	101.88	36.12	59.12	82.12	105.12	128.12	151.12	174.12
48	103.28	40.12	64.12	88.12	112.12	136.12	160.12	184.12
50	104.68	45.32	70.32	95.32	120.32	145.32	170.32	195.32

Rent is based on 1/4 crop yield.

The cost of rent, threshing, hauling, cleaning & Storage vary with yield/acre

The market value of the barley also vary the rent cost per acre.

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