

COST & RETURNS SUMMARY FOR WHEAT
SAMPLE COSTS TO PRODUCE IRRIGATED WHEAT 1980
SOLANO COUNTY
BY LAWRENCE CLEMENT, FARM ADVISOR

#188
WHEAT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
WHEAT	TON	140.000	3.000	420.00	
TOTAL RECEIPTS:				420.00	
2. VARIABLE COSTS:					
PREHARVEST:					
FERTILIZER	LBS.	0.230	150.000	34.50	
CUSTOM AIR FERT	ACRE	4.000	1.000	4.00	
WHEAT, SEED	LBS.	0.120	125.000	15.00	
2,4-D	ACRE	2.000	1.000	2.00	
IRRIG DIST WATER	ACIN	0.670	6.000	4.02	
CUSTOM AIR HERB	ACRE	4.000	1.000	4.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			13.08	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			6.53	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	6.000	0.35	
MACHINERY LABOR	HOUR	5.990	1.747	10.46	
IRRIGATION LABOR	HOUR	5.000	1.000	5.00	
INTEREST ON OPERATING CAP.	DOL.	0.14000	58.092	7.95	
TOTAL PREHARVEST COSTS:				106.89	
PREHARVEST COST PER TON				35.6311	
HARVEST:					
CUSTOM HAULING	TON	4.000	3.000	12.00	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.13	
MACHINERY LABOR	HOUR	5.990	0.330	1.98	
TOTAL HARVEST COSTS:				18.10	
HARVEST COST PER TON				6.0342	
TOTAL VARIABLE COSTS:				125.00	
VARIABLE COST PER TON				41.6653	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				295.00	
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				3.51	
SHARE RENT:				138.60	
TOTAL OVERHEAD:				142.11	
OVERHEAD COST PER TON				47.3700	
TOTAL CASH COSTS:				267.11	
TOTAL CASH COST PER TON				89.0353	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				152.89	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			12.21	
TOTAL DEPRECIATION:				12.21	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.14000	96.122	13.46	
TOTAL INTEREST CHARGE:				13.46	
TOTAL FIXED COSTS:				25.66	
FIXED COST PER TON				8.5550	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				292.77	
8. NET RETURNS:					
NET RETURNS PER TON				127.23	
				42.4097	

BASED ON A 1280 ACRE FARM
 GROWING 400 ACRES OF WHEAT
 SHARE RENT BASIS 1980
 DATE PRINTED: 01/12/81
 1980 default data

HARVEST MONTH: 6

UPDATED 1/12/81
 BUDGET RECORD NUMBER 188

CASH FLOW & INVESTMENT SUMMARY FOR WHEAT
 SAMPLE COSTS TO PRODUCE IRRIGATED WHEAT
 SOLANO COUNTY
 BY LAWRENCE CLEARENT, FARM ADVISOR

BUDGET RECORD NUMBER 188

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00	0.00	0.00	0.00	420.00
OPERATING EXPENSES														
FERTILIZER	\$/AC	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	0.00	0.00	34.50
CUSTOM AIR FERT	\$/AC	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
WHEAT, SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	15.00
2,4-D	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00
IRRIG DIST WATER	\$/AC	0.00	0.00	0.00	0.00	4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.02
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
CUSTOM AIR HERB	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	4.00
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	1.98	0.00	2.26	5.10	3.09	0.00	0.00	12.44
INTEREST ON OPER. CAP.	\$/AC	0.87	0.00	0.00	0.00	0.10	0.00	0.00	0.85	1.53	4.18	0.00	0.41	7.95
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.06	4.64	3.39	0.00	0.00	13.00
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.00	0.00	4.13	0.00	2.09	3.09	1.36	0.00	0.00	10.66
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
TOTAL EXPENSES	\$/AC	16.37	0.00	0.00	0.00	9.47	18.10	0.00	8.27	16.36	50.02	0.00	6.41	125.00

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.38	0.85	0.52	0.00	0.00	2.08
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE														
MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	FIXED COST PER ACRE			VARIABLE COST PER ACRE					HRS PER ACRE
						DEPR.	INTER.	TAX \$INS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 75 HP	3	75.0	17400.	7.	1800.	0.21	0.23	0.05	0.50	0.78	0.12	0.53	1.43	0.249
TRACTOR 90 HP	4	90.0	27600.	7.	1800.	0.29	0.31	0.07	0.68	0.80	0.12	0.72	1.64	0.212
CRAWLER 85 HP	10	85.0	66000.	10.	1600.	3.27	4.21	1.05	8.53	4.66	0.70	4.65	10.01	1.126
SPAIN COMBINE	25	16.0	49440.	11.	180.	5.58	6.28	1.70	13.56	1.45	0.22	2.46	4.13	0.275
RED SHAPER 6ROW	50	15.0	5190.	14.	180.	0.35	0.43	0.13	0.91	0.00	0.01	0.64	0.66	0.193
STUBBLE DISC	67	10.0	11400.	5.	500.	1.92	1.32	0.32	3.56	0.00	0.08	4.10	4.18	0.625
SPIKE HARROW	71	20.0	2880.	4.	650.	0.14	0.08	0.02	0.24	0.00	0.01	0.33	0.34	0.199
GRAIN DRILL	107	14.0	5400.	16.	160.	0.44	0.58	0.17	1.19	0.00	0.03	1.33	1.36	0.227
FURROW IRIG SYS#	132	2.0	0.	10.	5000.	0.00	0.00	0.00	0.00	0.00	0.01	0.35	0.35	3.000

MACHINERY & EQUIPMENT 463.
 INVESTMENT & COSTS PER ACRE 12.21 13.46 3.51 29.17 7.69 1.29 15.11 24.09
 TOTAL INVESTMENT 185310.

BASED ON A 1280 ACRE FARM
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FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 188
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FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP	3.600
TRACTOR 90 HP	4.320
CRAWLER 85 HP	4.760
GRAIN COMBINE	5.850

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
GRAIN COMBINE	1.609	
STUBBLE DISC	1.636	CRAWLER 85 HP
SPIKE HARROW	1.041	CRAWLER 85 HP
BED SHAPER & ROW	0.917	TRACTOR 90 HP
GRAIN DRILL	0.898	TRACTOR 75 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
STUBBLE DISC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.636	1.636	0.000	0.000	0.000	3.273	DIESEL
SPIKE HARROW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.041	0.000	0.000	0.000	1.041	DIESEL
BED SHAPER & ROW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.917	0.000	0.000	0.000	0.917	DIESEL
CRAWLER 85 HP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.952	0.000	0.000	0.952	DIESEL
GRAIN DRILL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.898	0.000	0.000	0.898	DIESEL
GRAIN COMBINE	0.000	0.000	0.000	0.000	0.000	1.609	0.000	0.000	0.000	0.000	0.000	0.000	1.609	GAS
TOTALS	0.000	0.000	0.000	0.000	0.000	1.609	0.000	1.636	3.594	1.850	0.000	0.000	8.689	

GAS FUEL BY TYPE
 0.00 LP
 7.08 DIESEL
 0.60 N. GAS
 0.00 KWRS

FUEL TYPES
 1=GAS
 2=L.P.
 3=DIESEL
 4=N. GAS
 5=ELEC.

MACHINERY OPERATIONS SUMMARY
 SAMPLE COSTS TO PRODUCE IRRIGATED WHEAT
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BUDGET RECORD NUMBER 188

OPERATION	ITER NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
STUBBLE DISC	10,	67 AUG	1.00	0.378	0.313	5.15	4.39
STUBBLE DISC	10,	67 SEPT	1.00	0.378	0.313	5.15	4.39
SPIKE HARROW	10,	71 SEPT	1.00	0.241	0.199	2.28	1.90
BED SHAPER & ROW	4,	50 SEPT	1.00	0.234	0.193	2.29	1.59
CRAWLER 85 HP		10 OCT	0.20	0.240	0.200	1.78	1.52
GRAIN DRILL	3,107	OCT	1.00	0.274	0.227	2.79	1.69
GRAIN COMBINE		25 JUNE	1.00	0.330	0.225	4.13	13.56
TOTALS			2.075	1.718	23.56	29.02	

BASED ON A 1280 ACRE FARM
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UPDATED 1/12/81

STORED DATA PAGE (NO CALCULATIONS) FOR WHEAT

BUDGET RECORD NUMBER 188

SAMPLE COSTS TO PRODUCE IRRIGATED WHEAT

COSTS AND RETURNS WILL BE

SOLANO COUNTY

DIVIDED BY 3.0 TON

BY LAURENCE CLEMENT, FARM ADVISOR

TO OBTAIN PER TON COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX	
PRODUCTION																			
1 WHEAT	0.00	0.00	0.00	0.00	NUMBER OF UNITS			0.00	0.00	0.00	0.00	0.00	0.00	140.000	0.330	3.	34.	2.	0.
OPERATING INPUTS																			
													PRICE	SHARE	UNIT	ITEM	TYPE	HARV	
													RENT	CODE	CODE	CODE	CODE		
6 FERTILIZER	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.230	0.000	12.	201.	3.	0.	
7 CUSTOM AIR FERT	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.000	0.000	7.	374.	3.	0.	
8 WHEAT, SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.00	0.00	0.00	0.120	0.000	12.	134.	3.	0.	
9 2,4-D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.000	0.000	7.	251.	3.	0.	
10 IRRIG DIST WATER	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.670	0.000	11.	323.	3.	0.	
11 CUSTOM HAULING	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	4.000	0.000	3.	306.	3.	9.	
12 CUSTOM AIR HERB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	4.000	0.000	7.	373.	3.	0.	

MACHINERY REQUIREMENTS	IMPLEMENTS =	TIMES OVER,	TRUCKS = #	MILES/ACRE,	TRACTORS =	HRS/ACRE	R CREW	POWER	MACH	TYPE	HARV
	LABOR	UNIT	CODE	CODE	CODE	CODE	LABOR	UNIT	CODE	CODE	CODE
26 RIBBLE DISC	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00
27 HARROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
28 SHAFER BROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
29 CRAWLER 85 HP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
30 GRAIN DRILL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
31 GRAIN COMBINE	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
	SHARE	SHARE	POWER	SYSTR	LIFT						
	FIXED %	VAR %	UNIT	CODE	CODE						
49 ACIN IRRIG WATER	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST	CODE	CODE	CODE	CODE

NONE STORED WITH BUDGET	2	3	4	5	6	7	8
COLUMNS --->	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS		
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE	
71	3.	400.00	0.00	0.00	0.0	0.00	
ENTERPRISE 2-34 REGION/COUNTY 48 UNASSIGNED 00000 MACH COMP 4				IRIG SYST 6 UNASSIGNED 2	EQUIP SET 1	HARVEST MONTH 6	

BASED ON A 1280 ACRE FARM
 GROWING 400 ACRES OF WHEAT
 SHARE RENT BASIS 1980

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MACHINERY COMPLEMENT 4
 EQUIPMENT COMPLEMENT 1

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS-->	1.	0.900000	3.	0.870000
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1980 default data