

Oat hay #184

COST & RETURNS SUMMARY FOR OAT HAY
 COSTS AND RETURNS FOR OAT HAY BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
 YIELD: 3 TON PER ACRE (20 BALES/TON)

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
OAT HAY	TON	80.000	3.000	240.00	
TOTAL RECEIPTS:				240.00	
2. VARIABLE COSTS:					
PREHARVEST:					
IRRIG DIST WATER	ACIN	0.580	6.000	3.48	
AMMONIUM SULPHAT	LBS.	0.300	80.000	24.00	
OATS, SEED	LBS.	0.220	100.000	22.00	
BROAD LEAF HERB	ACRE	5.000	1.000	5.00	
CUSTOM AIR HERB	ACRE	4.000	1.000	4.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			8.01	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			3.02	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			2.87	
MACHINERY LABOR	HOUR	6.000	1.355	8.13	
IRRIGATION LABOR	HOUR	5.000	1.000	5.00	
INTEREST ON OPERATING CAP.	DOL.	0.14000	31.342	4.22	
TOTAL PREHARVEST COSTS:				89.74	
PREHARVEST COST PER TON				29.9123	
HARVEST:					
CUSTOM SWATHING	ACRE	7.000	1.000	7.00	
CUSTOM RAKING	ACRE	4.500	1.000	4.50	
CUSTOM BALE	TON	10.500	3.000	31.50	
CUSTOM PICK-UP	TON	4.000	3.000	12.00	
TOTAL HARVEST COSTS:				55.00	
HARVEST COST PER TON				18.3333	
TOTAL VARIABLE COSTS:				144.74	
VARIABLE COST PER TON				48.2457	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				95.26	
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				5.94	
REAL PROPERTY TAXES:				22.50	
MISC. OFFICE & BOOKKEEPING (6.00% OF TOTAL VARIABLE COSTS)				8.68	
TOTAL OVERHEAD:				37.12	
OVERHEAD COST PER TON				12.3733	
TOTAL CASH COSTS:					
TOTAL CASH COST PER TON				181.86	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				58.14	
OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			14.39	
BUILDINGS	ACRE			14.62	
TOTAL DEPRECIATION:				29.01	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.14000	145.982	20.44	
BUILDINGS		0.10670	287.528	30.68	
LAND		0.10670	2000.000	213.40	
TOTAL INTEREST CHARGE:				264.52	
TOTAL FIXED COSTS:				293.53	
FIXED COST PER TON				97.8432	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				475.39	
8. NET RETURNS:					
NET RETURNS PER TON				-235.39	
NET RETURNS PER TON					

BASED ON 80 ACRES HAY ON A 160 ACRE FARM
 FLOOD IRRIGATION: 6 ACIN PER YEAR
 LAND OWNERSHIP BASIS
 DATE PRINTED: 02/08/81
 1980 default data

HARVEST MONTH: 4

UPDATED 02/08/81
 BUDGET RECORD NUMBER 184

CASH FLOW & INVESTMENT SUMMARY FOR OAT HAY
 COSTS AND RETURNS FOR OAT HAY
 MERCED AND MADERA COUNTIES 1981
 YIELD: 3 TON PER ACRE (20 BALES/TON)

BY FARM ADVISORS: BILL WEIR
 RON VARGAS

BUDGET RECORD NUMBER 184

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	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	240.00
OPERATING EXPENSES														
IRRIG DIST WATER	\$/AC	0.00	0.00	3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48
AMMONIUM SULPHAT	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	0.00	24.00
OATS, SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	22.00
BROAD LEAF HERB	\$/AC	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
CUSTOM AIR HERE	\$/AC	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
CUSTOM RAKING	\$/AC	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50
CUSTOM BALE	\$/AC	0.00	0.00	0.00	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.50
CUSTOM PICK-UP	\$/AC	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	2.52	5.48	8.13
INTEREST ON OPER. CAP.	\$/AC	0.00	0.26	0.16	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.52	3.23	4.22
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.60	4.42	8.01
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	1.38	1.52	0.00	3.02
BLDG OPER. COST	\$/AC	0.00	0.57	0.57	0.57	0.00	0.00	0.00	0.00	0.00	0.57	0.57	0.00	2.87
IRRIG LABOR COST	\$/AC	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
TOTAL EXPENSES	\$/AC	0.00	9.84	9.56	55.88	0.00	0.00	0.00	0.00	0.00	8.59	61.22	0.00	144.74

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

MACHINE LABOR	HR/AC	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.42	0.91	0.00	1.35
IRRIGATION LABOR	HR/AC	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	6.00	0.00	0.00	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	FUEL	LUBE	REPAIRS	TOTAL		
TRACTOR 75 HP	4	75.0	17400.	20.	300.	2.05	3.71	1.06	6.82	2.80	0.42	1.20	4.42	0.810
TRACTOR 120 HP	7	120.0	36000.	20.	300.	2.00	3.62	1.03	6.65	2.11	0.32	1.17	3.60	0.382
PICKUP 1/2 T	14	0.5	9000.	8.	500.	0.06	0.06	0.01	0.13	0.17	0.03	0.04	0.25	0.036
DISC OFFSET HDTY	62	18.0	9720.	15.	50.	4.07	5.18	1.52	10.77	0.00	0.03	1.35	1.38	0.347
DRY FERT APPLIC.	69	12.0	4520.	15.	30.	2.38	2.99	0.88	6.26	0.00	0.01	0.47	0.48	0.260
SPIKE HARROW	74	20.0	2880.	15.	40.	0.86	1.10	0.32	2.28	0.00	0.00	0.21	0.22	0.199
GRAIN DRILL	106	12.0	4800.	15.	27.	2.97	3.78	1.11	7.86	0.00	0.01	0.69	0.71	0.277
SURFACE IRR SYS*	128	2.0	0.	10.	5000.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.000
FARM SHOP	2		21060.	35.		6.77	13.45	2.63	24.85	2.63	0.11	0.11	2.75	
TOOLS-SHOP EQUIP	4		6143.	15.		3.58	5.33	0.77	9.68	0.00		0.10	0.10	
STORAGE SHED	8		13163.	35.		4.23	9.66	1.65	15.53	0.00		0.02	0.02	
FUELTANK 550 GAL	18		234.	30.		0.04	0.25	0.03	0.32	0.00		0.00	0.00	
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			1561.			29.01	51.12	11.01	91.14	7.72	0.82	5.37	13.91	

TOTAL INVESTMENT 124919.
 BASED ON 80 ACRES HAY ON A 160 ACRE FARM
 FLOOD IRRIGATION: 6 ACIN PER YEAR
 LAND OWNERSHIP BASIS
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FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 184
 COSTS AND RETURNS FOR OAT HAY BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
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FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP 3.600
 TRACTOR 120 HP 5.760
 PICKUP 1/2 T 4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 T	0.073	
DISC OFFSET HDTY	1.100	TRACTOR 120 HP
DRY FERT APPLIC.	1.031	TRACTOR 75 HP
SPIKE HARROW	0.787	TRACTOR 75 HP
GRAIN DRILL	1.098	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
DISC OFFSET HDTY	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.200	0.000	0.000	2.200	DIESEL
DRY FERT APPLIC.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.031	0.000	1.031	DIESEL
SPIKE HARROW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.787	0.000	0.787	DIESEL
GRAIN DRILL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.098	0.000	1.098	DIESEL
PICKUP 1/2 T	0.000	0.000	0.000	0.073	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.000	0.145	GAS
TOTALS	0.000	0.000	0.000	0.073	0.000	0.000	0.000	0.000	0.000	2.200	2.989	0.000	5.262	

GALLONS FUEL BY TYPE

15 GAS
 00 LP
 5.12 DIESEL
 0.00 N. GAS
 0.00 KWRS
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FUEL TYPES
 1=GAS
 2=L.P.
 3=DIESEL
 4=N. GAS
 5=ELEC.

UPDATED 02/08/81

MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 184
 COSTS AND RETURNS FOR OAT HAY BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
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OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR	MACHINE HOURS	FUEL, OIL, LUB. PER ACRE	FIXED REP. COSTS PER ACRE
DISC OFFSET HDTY	7,	62 OCT	2.00	0.420	0.347	4.98	17.41
DRY FERT APPLIC.	4,	69 NOV	1.00	0.315	0.260	2.04	8.67
SPIKE HARROW	4,	74 NOV	1.00	0.241	0.199	1.41	4.12
GRAIN DRILL	4,	106 NOV	1.00	0.335	0.277	2.37	10.43
PICKUP 1/2 T	14	NOV	1.00	0.022	0.018	0.12	0.07
PICKUP 1/2 T	14	APR	1.00	0.022	0.018	0.12	0.07
TOTALS			1.355	1.120	11.03	40.76	

BASED ON 80 ACRES HAY ON A 160 ACRE FARM
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 LAND OWNERSHIP BASIS
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RANGING ANALYSIS FOR BUDGET RECORD NUMBER 184
 COSTS AND RETURNS FOR OAT HAY BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
 YIELD: 3 TON PER ACRE (20 BALES/TON)

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF OAT HAY AND THE QUANTITY OF OAT HAY

QUANTITY OF OAT HAY	PRICE OF OAT HAY				
	72.00	76.00	80.00	84.00	88.00

2.40 *	28.06	37.66	47.26	56.86	66.46
* * *					
2.70 *	49.66	60.46	71.26	82.06	92.86
* * *					
3.00 *	71.26	83.26	95.26	107.26	119.26
* * *					
3.30 *	92.86	106.06	119.26	132.46	145.66
* * *					
3.60 *	114.46	128.86	143.26	157.66	172.06
* * *					

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF OAT HAY AND THE QUANTITY OF OAT HAY

QUANTITY OF OAT HAY	PRICE OF OAT HAY				
	72.00	76.00	80.00	84.00	88.00

2.40 *	-9.06	0.54	10.14	19.74	29.34
* * *					
2.70 *	12.54	23.34	34.14	44.94	55.74
* * *					
3.00 *	34.14	46.14	58.14	70.14	82.14
* * *					
3.30 *	55.74	68.94	82.14	95.34	108.54
* * *					
3.60 *	77.34	91.74	106.14	120.54	134.94
* * *					

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF OAT HAY AND THE QUANTITY OF OAT HAY

QUANTITY OF OAT HAY	PRICE OF OAT HAY				
	72.00	76.00	80.00	84.00	88.00

2.40 *	-302.59	-292.99	-283.39	-273.79	-264.19
* * *					
2.70 *	-280.99	-270.19	-259.39	-248.59	-237.79
* * *					
3.00 *	-259.39	-247.39	-235.39	-223.39	-211.39
* * *					
3.30 *	-237.79	-224.59	-211.39	-198.19	-184.99
* * *					
3.60 *	-216.19	-201.79	-187.39	-172.99	-158.59
* * *					

BASED ON 80 ACRES HAY ON A 160 ACRE FARM
 FLOOD IRRIGATION: 6 ACIN PER YEAR
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UPDATED 02/08/81

STORED DATA PAGE (NO CALCULATIONS) FOR OAT HAY

BUDGET RECORD NUMBER 184

COSTS AND RETURNS FOR OAT HAY
 MERCED AND MADERA COUNTIES 1981
 YIELD: 3 TON PER ACRE (20 BALES/TON)

BY FARM ADVISORS: BILL WEIR
 RON VARGAS

COSTS AND RETURNS WILL BE
 DIVIDED BY 3.0 TON
 TO OBTAIN PER TON COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
1 OAT HAY	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.000	0.000	3.	18.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
													RENT	CODE	CODE	CODE	CODE	
5 IRRIG DIST WATER	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.580	0.000	11.	323.	3.	0.
6 AMMONIA SULPHAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	0.00	0.300	0.000	12.	218.	3.	0.
7 OATS, SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.220	0.000	12.	120.	3.	0.
8 BROAD LEAF HERB	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	252.	3.	0.
9 CUSTOM AIR HERB	0.00	1.00	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.	373.	3.	0.
10 CUSTOM SWATHING	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.000	0.000	7.	314.	3.	9.
11 CUSTOM RAKING	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	7.	293.	3.	9.
12 CUSTOM BALE	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.500	0.000	3.	291.	3.	9.
13 CUSTOM PICK-UP	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.000	0.000	3.	295.	3.	9.

MACHINERY REQUIREMENTS	IMPLEMENTS =	TIMES OVER,	TRUCKS = #	MILES/ACRE,	TRACTORS =	HRS/ACRE	# CREW	POWER	MACH	TYPE	HARV	
	LABOR	UNIT	CODE	CODE	CODE	CODE	LABOR	UNIT	CODE	CODE	CODE	
26 DISC OFFSET HDTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.	62.	4.	0.
27 DRY FERT APPLIC.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.	69.	4.	0.
28 SPIKE HARROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.	74.	4.	0.
29 GRAIN DRILL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.	106.	4.	0.
32 PICKUP 1/2 T	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.	14.	4.	0.
49 ACIN IRRIG WATER	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.	128.
50 NO. TIMES IRRIG	0.00	0.00	1.00	0.00	0.00	0.00	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
51 FARM SHOP	1.000	0.500	0.	2.	5.	0.
52 TOOLS-SHOP EQUIP	1.000	0.500	0.	4.	5.	0.
53 STORAGE SHED	1.000	0.500	0.	8.	5.	0.
54 FUELTANK 550 GAL	1.000	0.500	0.	18.	5.	0.

COLUMNS --->	2	3	4	5	6	7	8
LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL	CROPS	
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE	
71	1.	80.00	2000.00	22.50	0.0	0.00	
ENTERPRISE 2-18 REGION/COUNTY 24 UNASSIGNED 00000 MACH COMP 1 IRRIG SYST 1 UNASSIGNED 0 EQUIP SET 1 HARVEST MONTH 4							

BASED ON 80 ACRES HAY ON A 160 ACRE FARM
 FLOOD IRRIGATION: 6 ACIN PER YEAR
 LAND OWNERSHIP BASIS

UPDATED 02/08/81
 MACHINERY COMPLEMENT 1
 EQUIPMENT COMPLEMENT 1

GENERAL NAME CHANGE->	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE					
PARAMETER CHGS-->	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
180 OATS FOR HAY		6.000000	11.	4.900000	12.	5.000000	28.	0.060000		
18 OAT HAY										

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 1980 default data