

*Yolo Co. - Woodland
area
1985*

ALFALFA HAY (COST TO ESTABLISH AND DESTROY)

100 acres/year - (following wheat)

(Wheat straw baled or burned - One stubble discing charged to wheat)

(50 acres sprinkled up in fall + 50 acres germinated by fall rains)

	HOURS/ ACRE	CASH COSTS PER ACRE				
		LABOR	TRACTOR	IMPLT.	MATERIAL	TOTAL
COSTS TO ESTABLISH:						
SEED BED PREPARATION:						
DISC 1X	.13	.83	1.96	.90	-	3.69
CHISEL 2X	.80	5.10	16.44	2.43	-	23.97
TRIPLANE 2X	.33	2.10	4.99	1.20	-	8.29
PULL CHECKS 1X (BG)	.25	1.59	1.92	.47	-	3.98
SHAPE CHECKS 2X (RENTED SHAPER)	.10	.64	1.16	1.00	-	2.79
PULL & CLOSE DITCH	.10	.64	1.51	.24	-	2.39
PRE IRRIGATE 8" WATER (1/2 SURFACE + 1/2 PUMP)	1.25	6.86			10.10	16.96
INCORPORATE HERBICIDE DISC 2X	.44	2.80	6.65	3.03	-	12.49
TRIPLANE MIDDLES 1X	.17	1.08	2.57	.62	-	4.27
HARROW & ROLL 1X	.08	.51	1.21	.21	-	1.93
PLANT BRILLION (PLANTER RENTED)	.25	1.59	1.92	.50	-	4.02
SEED 20# PER ACRE @ \$2.10/LB.	-	-	-	-	42.00	42.00
SPRINKLE UP 1/2 @ \$75.24/ACRE	1.56	8.56	-	23.98	10.16	42.70
WEED CONTROL						
PREPLANT HERBICIDE	-	-	-	-	15.43	15.43
2,4-DB POST EMERGENCE	-	-	-	-	7.88	7.88
AIRCRAFT (POST EMERGE)	-	-	-	-	5.50	5.50
MISC. EQUIPMENT USE	-	.53	.78	.47	-	1.78
MOVE EQUIP., SETUP & SERVICE 10% OF LABOR COST	-	1.74	-	-	-	1.74
PICKUP & TRUCK USE	-	-	-	2.54	-	2.54
TOTAL		34.57	41.11	37.59	91.07	204.34
SUPERVISORS SALARIES, ACCOUNTING						
OFFICE EXPENSE					24.33	24.33
EQUIP. LOAN INTEREST COST					3.84	3.84
TOTAL CASH COSTS TO ESTABLISH:						232.51

ALFALFA CONT.

	HOURS/ ACRE	CASH COSTS PER ACRE				
		LABOR	TRACTOR	IMPLT.	MATERIAL	TOTAL
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COSTS TO DESTROY:						
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STUBBLE DISC BORDERS 1X	.06	.38	.91	.57	-	1.85
PLOW 1X	.40	2.55	4.63	1.61	-	8.79
MOVE EQUIP., SET UP & SERVICE @ 10% OF LABOR COSTS	-	.29	-	-	-	.29
CASH COSTS TO DESTROY:	-	<u>3.22</u>	<u>5.54</u>	<u>2.18</u>	-	<u>10.94</u>
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TOTAL CASH COSTS TO ESTABLISH & DESTROY:					\$	243.45
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INVESTMENT COSTS:						
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INTEREST & DEPRECIATION (tractors & implts.)	-	-	-	-	14.07	14.07
TOTAL ALL COSTS TO ESTABLISH & DESTROY: (per acre)					\$	257.52

ALFALFA HAY (4 YEAR LIFE)
 400 ACRES ON A 2,900 ACRE FARM
 LEASE BASIS - 25% OF GROSS SALES TO LANDLORD
 YIELD 7 TONS

	HOURS/ ACRE	CASH COSTS PER ACRE				TOTAL
		LABOR	TRACTOR	IMPLT.	MATERIAL	
CASH GROWING COSTS:						
IRRIGATE 8X @ \$5.49/HR.	5.00	27.45	-	-	-	27.45
WATER (CASH COST 4 AC.FT.)	-	-	-	-	60.60	60.60
(1/2 PUMP @ \$20.32/AC.FT.)						
(1/2 SURFACE @ \$9.98/AC.FT.)						
DITCH (OPEN & CLOSE) 2X	.10	.64	1.51	.48	-	2.63
INSECT CONTROL 2.5X						
MATERIALS	-	-	-	-	16.34	16.34
AIRPLANE	-	-	-	-	13.75	13.75
WINTER WEED CONTROL						
MATERIALS	-	-	-	-	24.66	24.66
GROUND APPLICATION (CUSTOM)	-	-	-	-	5.50	5.50
MISC. EQUIPMENT USE	-	.53	.78	.47	-	1.78
PICKUP & TRUCK USE	-	-	-	2.54	-	2.54
MOVE EQUIP., SET UP & SERVICE @ 10% OF LABOR COSTS	-	.12	-	-	-	.12
TOTAL GROWING COSTS:		<u>28.73</u>	<u>2.29</u>	<u>3.50</u>	<u>120.85</u>	<u>155.37</u>
SUPERVISORS SALARIES, ACCOUNTING, OFFICE EXPENSE	-	-	-	-	24.33	24.33
BUILDINGS (TAXES, INS., REPAIRS)	-	-	-	-	1.00	1.00
PRODUCTION LOAN INTEREST COST	-	-	-	-	11.04	11.04
EQUIPMENT LOAN INTEREST COST	-	-	-	-	3.84	3.84
TOTAL PRE HARVEST CASH COSTS:						<u>195.58</u>
HARVEST COSTS: (CONTRACT @ \$25/TON X 7 TONS/ACRE)					175.00	175.00
LANDLORD SHARE - 25% OF 7 TONS @ \$80/TON					140.00	140.00
TOTAL CASH COSTS PER YEAR:					\$	<u>510.58</u>

ALFALFA CONTINUED

TOTAL

INVESTMENT COSTS:

BUILDINGS (interest & depreciation)	5.69
TRACTORS & IMPLEMENTS (interest & depreciation)	14.07
STAND ESTABLISHMENT @ \$257.52 (depreciation over 4 years)	64.38
(interest on investment)	15.45
TOTAL ALL COSTS PER ACRE:	\$ 610.16

COSTS PER TON:	\$ 87.17
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COST PER TON AT VARIOUS YIELDS

5 TONS	104.03
6 TONS	94.19
7 TONS	87.17
8 TONS	81.90
9 TONS	77.80

MANAGEMENT FEE @ 5% OF GROSS INCOME:

(usual charge for management not included in this study)

(10)

----- \$ 28.00