

Jan 1986

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)

CASH COSTS PER ACRE

	HOURS/ ACRE	CASH COSTS PER ACRE				TOTAL
		LABOR	TRACTOR	IMPLT.	MATERIAL	
COSTS TO ESTABLISH:						
SEED BED PREPARATION:						
DISC 1X	.13	.83	1.52	.90	-	3.24
CHISEL 2X	.80	5.10	13.26	2.43	-	20.79
TRIPLANE 2X	.33	2.10	3.85	1.20	-	7.15
PULL CHECKS 1X (BG)	.25	1.59	1.46	.47	-	3.52
SHAPE CHECKS 2X (RENTED SHAPER)	.10	.64	.82	1.00	-	2.46
PULL & CLOSE DITCH	.10	.64	1.17	.24	-	2.04
PRE IRRIGATE 8" WATER (1/2 SURFACE + 1/2 PUMP)	1.25	6.95			10.05	17.00
INCORPORATE HERBICIDE DISC 2X	.44	2.80	5.13	3.03	-	10.97
TRIPLANE MIDDLES 1X	.17	1.08	1.98	.62	-	3.68
HARROW & ROLL 1X	.08	.51	.93	.21	-	1.65
PLANT BRILLION (PLANTER RENTED)	.25	1.59	1.46	.50	-	3.55
SEED 20# PER ACRE @ \$2.10/LB.	-	-	-	-	42.00	42.00
SPRINKLE UP 1/2 ac. @ \$63.16/acre	1.56	8.67	-	17.86	5.04	31.58
WEED CONTROL						
PREPLANT HERBICIDE	-	-	-	-	16.00	16.00
2,4-DB POST EMERGENCE	-	-	-	-	7.88	7.88
AIRCRAFT (POST EMERGE)	-	-	-	-	5.50	5.50
MISC. EQUIPMENT USE	-	.58	.66	.47	-	1.71
MOVE EQUIP., SETUP & SERVICE 10%	-	-	-	-	-	-
OF LABOR COST	-	1.75	-	-	-	1.75
PICKUP & TRUCK USE	-	-	-	2.61	-	2.61
TOTAL		<u>34.83</u>	<u>32.24</u>	<u>31.55</u>	<u>86.47</u>	<u>185.10</u>
SUPERVISORS SALARIES, ACCOUNTING						
OFFICE EXPENSE					26.86	26.86
EQUIP. LOAN INTEREST COST						
					4.79	4.79
TOTAL CASH COSTS TO ESTABLISH:						<u>216.74</u>

ALFALEA CONT.

	HOURS/ ACRE	CASH COSTS PER ACRE				
		LABOR	TRACTOR	IMPLT.	MATERIAL	TOTAL
<u>COSTS TO DESTROY:</u>						
STUBBLE DISC BORDERS 1X	.06	.38	.70	.57	-	1.65
FLOW 1X	.40	2.55	3.27	1.61	-	7.43
MOVE EQUIP., SET UP & SERVICE @ 10% OF LABOR COSTS	-	.29	-	-	-	.29
<u>CASH COSTS TO DESTROY:</u>	-	<u>3.22</u>	<u>3.97</u>	<u>2.18</u>	-	<u>9.38</u>
<u>TOTAL CASH COSTS TO ESTABLISH & DESTROY:</u>					\$	226.12
<u>INVESTMENT COSTS:</u>						
INTEREST & DEPRECIATION (tractors & implts.)	-	-	-	-	18.69	18.69
<u>TOTAL ALL COSTS TO ESTABLISH & DESTROY: (per acre)</u>					\$	244.81

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 @ \$5.56/HR.	5.00	27.80	-	-	-	27.80
WATER (CASH COST 4 AC.FT.) (1/2 PUMP @ \$20.16/AC.FT.) (1/2 SURFACE @ \$9.98/AC.FT.)	-	-	-	-	60.32	60.32
DITCH (OPEN & CLOSE) 2X	.10	.64	1.17	.48	-	2.29
INSECT CONTROL 2.5X MATERIALS	-	-	-	-	15.84	15.84
AIRPLANE	-	-	-	-	13.75	13.75
WINTER WEED CONTROL MATERIALS	-	-	-	-	26.06	26.06
GROUND APPLICATION (CUSTOM)	-	-	-	-	5.50	5.50
MISC. EQUIPMENT USE	-	.58	.66	.47	-	1.71
PICKUP & TRUCK USE	-	-	-	2.61	-	2.61
MOVE EQUIP., SET UP & SERVICE @ 10% OF LABOR COSTS	-	.12	-	-	-	.12
TOTAL GROWING COSTS:		<u>29.14</u>	<u>1.82</u>	<u>3.57</u>	<u>121.47</u>	<u>156.00</u>
SUPERVISORS SALARIES, ACCOUNTING, OFFICE EXPENSE	-	-	-	-	26.86	26.86
BUILDINGS (TAXES, INS., REPAIRS)	-	-	-	-	1.00	1.00
PRODUCTION LOAN INTEREST COST	-	-	-	-	10.88	10.88
EQUIPMENT LOAN INTEREST COST	-	-	-	-	4.79	4.79
TOTAL PRE HARVEST CASH COSTS:						<u>199.54</u>
HARVEST COSTS: (CONTRACT @ \$25/TON X 7 TONS/ACRE)					175.00	175.00
LAND OWNER SHARE-20% x 7 TONS @ \$77/TON					107.80	107.80
TOTAL CASH COSTS PER YEAR:					\$	<u>482.34</u>

INVESTMENT COSTS:

BUILDINGS (interest & depreciation)	5.69
TRACTORS & IMPLEMENTS (interest & depreciation)	18.69
STAND ESTABLISHMENT @ \$244.15 (depreciation over 4 years)	61.20
(interest on investment)	7.34
TOTAL ALL COSTS PER ACRE:	\$ 575.27

COSTS PER TON: \$ 82.18

COST PER TON AT VARIOUS YIELDS AND VARIOUS SHARE RENTS

YIELD	SHARE RENT	COST/TON
5 TONS	25%	\$ 102.74
	20%	\$ 98.89
	15%	\$ 95.04
6 TONS	25%	\$ 93.00
	20%	\$ 89.15
	15%	\$ 82.30
7 TONS	25%	\$ 86.03
	20%	\$ 82.18
	15%	\$ 78.33
8 TONS	25%	\$ 80.81
	20%	\$ 76.96
	15%	\$ 73.11
9 TONS	25%	\$ 76.75
	20%	\$ 72.90
	15%	\$ 69.05

MANAGEMENT FEE @ 5% OF GROSS INCOME: \$ 26.95

(usual charge for management, is not included in this study)