

LASSEN COUNTY ALFALFA COST STUDIES

ALFALFA COSTS BASED ON YEAR OF LAND PURCHASE

*****1970***** *****1974***** *****1978***** *****1982***** *****1986*****

\$/AC \$/AC \$/AC \$/AC \$/AC

OPERATING COSTS:

Water total:		115.09		115.09		115.09		115.09		115.09
Irr. labor and fuel		11.25		11.25		11.25		11.25		11.25
Water costs	39.94	103.84	39.94	103.84	39.94	103.84	39.94	103.84	39.94	103.84
Cultural total:		15.50		15.50		15.50		15.50		15.50
Gopher control		5.00		5.00		5.00		5.00		5.00
Weevil control		.00		.00		.00		.00		.00
Mouse control		2.50		2.50		2.50		2.50		2.50
Weed control		8.00		8.00		8.00		8.00		8.00
Fertilizer		.00		.00		.00		.00		.00
Harvest total:		43.47		43.47		43.47		43.47		43.47
Swath 3x	3.08	9.25	3.08	9.25	3.08	9.25	3.08	9.25	3.08	9.25
Rake 3x	1.12	3.36	1.12	3.36	1.12	3.36	1.12	3.36	1.12	3.36
Bale 3x	3.87	11.61	3.87	11.61	3.87	11.61	3.87	11.61	3.87	11.61
Wire /T	2.83	14.15	2.83	14.15	2.83	14.15	2.83	14.15	2.83	14.15
Roadside /T	1.02	5.10	1.02	5.10	1.02	5.10	1.02	5.10	1.02	5.10
Misc.		10.00		10.00		10.00		10.00		10.00

TOTAL OPERATING:		174.06		174.06		174.06		174.06		174.06
INTEREST ON OPERATING:	.144	18.80	.144	18.80	.144	18.80	.144	18.80	.144	18.80
GRAND TOTAL OPERATING:		192.86		192.86		192.86		192.86		192.86

INVESTMENT COSTS:

Land initial cost	.09	300.00	.08	500.00	.085	800.00	.115	800.00	.12	400.00
Land interest		27.00		40.00		68.00		92.00		48.00
Irr. system cost	.09	291.00	.08	234.00	.085	400.00	.115	400.00	.12	392.00
Irr. system depreciation		19.40		15.60		26.67		26.67		26.13
Irr. system interest		26.19		18.72		34.00		46.00		47.04
Equip. initial cost	.09	92.00	.08	131.00	.085	234.00	.115	511.00	.12	511.00
Equip. depreciation		9.20		13.10		23.40		51.10		51.10
Equip. interest		8.28		10.48		19.89		58.77		61.32
Taxes		15.50		15.50		15.50		15.50		15.50
Stand amortized cultural costs	46.73	54.24	50	58.16	146.61	160.94	199.67	222.55	199.67	219.14
investment 1/2 yr	7.505833		8.158333		14.32972		22.87764		19.46611	

Total initial investment		683.00		865.00		1434.00		1711.00		1303.00
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Annual costs:

Depreciation		28.60		28.70		50.07		77.77		77.23
Interest		61.47		69.20		121.89		196.77		156.36
Taxes		15.50		15.50		15.50		15.50		15.50
Stand		54.24		58.16		160.94		222.55		219.14

GRAND TOTAL \$/AC		352.66		364.42		541.25		705.44		661.09
COST / TON AT 5 TON	70.53286		72.88336		108.2510		141.0876		132.2176	
W/O STAND AMMORTIZATION	39.68570		61.25170		76.06303		96.57803		88.39036	

LASSEN COUNTY ALFALFA COST STUDIES

*****1970***** *****1974***** *****1978***** *****1982***** *****1986*****

	\$/AC		\$/AC		\$/AC		\$/AC		\$/AC	
OPERATING COSTS:										
Water total:		23.32		24.25		75.87		113.47		115.09
Irr. labor and fuel		5.00		6.25		10.00		16.00		11.25
Water costs	5.55	18.32	4.5	18.00	18.82	65.87	37.49	97.47	39.94	103.84
Cultural total:		5.22		10.05		15.10		12.50		15.50
Gopher control		.93		1.10		1.20		4.00		5.00
Weevil control		2.55		4.50		7.50		.00		.00
Mouse control										2.50
Weed control				3.00		4.45		8.50		8.00
Fertilizer		1.74		1.45		1.95		.00		.00
Harvest total:		30.38		31.01		41.60		66.34		43.47
Swath 3x	*	9.00	.78	2.35	1.18	3.55	7.65	22.95	3.08	9.25
Rake 3x	.52	1.56	.25	.75	.43	1.30	1.81	5.43	1.12	3.36
Bale 3x	.77	2.32	.55	1.65	.58	1.75	3.12	9.36	3.87	11.61
Wire /T	1	5.00	1.51	7.51	2	10.00	2.83	14.15	2.83	14.15
Roadside /T	*	12.50	* 3.75	18.75	* 5	25.00	2.89	14.45	1.02	5.10
Misc.		3.54		3.85		11.00		10.00		10.00
* custom										
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TOTAL OPERATING:		58.92		65.31		132.57		192.31		174.06
INTEREST ON OPERATING:	.1	4.42	.09	4.41	.095	9.45	.16	23.08	.145	18.93
GRAND TOTAL OPERATING:		63.34		69.72		142.02		215.39		192.99

INVESTMENT COSTS:										
Land initial cost	.09	300.00	.08	500.00	.085	800.00	.115	800.00	.12	400.00
Land interest		27.00		40.00		68.00		92.00		48.00
Irr. system cost	.09	291.00	.08	234.00	.085	400.00	.115	400.00	.12	392.00
Irr. system depreciation		19.40		15.60		26.67		26.67		26.13
Irr. system interest		26.19		18.72		34.00		46.00		47.04
Equip. initial cost	.09	92.00	.08	131.00	.085	234.00	.115	511.00	.12	511.00
Equip. depreciation		9.20		13.10		23.40		51.10		51.10
Equip. interest		8.28		10.48		19.89		58.77		61.32
Taxes		6.25		10.00		17.00		15.50		15.50
Stand amortized		54.24		58.16		160.94		222.55		219.14
cultural costs	46.73		50		146.61		199.67		199.67	
investment 1/2 yr	7.505833		8.158333		14.32972		22.87764		19.46611	
=====										
Total initial investment		683.00		865.00		1434.00		1711.00		1303.00
Annual costs:										
Depreciation		28.60		28.70		50.07		77.77		77.23
Interest		61.47		69.20		121.89		196.77		156.36
Taxes		6.25		10.00		17.00		15.50		15.50
Stand		54.24		58.16		160.94		222.55		219.14

GRAND TOTAL \$/AC		213.89		235.78		491.91		727.97		661.22
COST / TON AT 5 TON	42.78		47.16		98.38		145.59		132.24	
W/D STAND AMMORTIZATION	31.93		32		66.19		101.08		88.42	

LASSEN COUNTY ALFALFA COST STUDIES

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\$/AC \$/AC \$/AC \$/AC \$/AC

OPERATING COSTS:

Water total:		23.32		24.25		75.87		113.47		115.09
Irr. labor and fuel		5.00		6.25		10.00		16.00		11.25
Water costs	5.55	18.32	4.5	18.00	18.82	65.87	37.49	97.47	39.94	103.84
Cultural total:		5.22		10.05		15.10		12.50		15.50
Gopher control		.93		1.10		1.20		4.00		5.00
Weevil control		2.55		4.50		7.50		.00		.00
Mouse control										2.50
Weed control				3.00		4.45		8.50		8.00
Fertilizer		1.74		1.45		1.95		.00		.00
Harvest total:		30.38		31.01		41.60		66.34		43.47
Swath 3x	*	9.00	.78	2.35	1.18	3.55	7.65	22.95	3.08	9.25
Rake 3x		.52	1.56	.25	.75	.43	1.30	1.81	5.43	1.12
Bale 3x		.77	2.32	.55	1.65	.58	1.75	3.12	9.36	3.87
Wire /T		1	5.00	1.51	7.51	2	10.00	2.83	14.15	2.83
Roadside /T	*	12.50	* 3.75	18.75	* 5	25.00	2.89	14.45	1.02	5.10
Misc.		3.54		3.85		11.00		10.00		10.00

* custom

TOTAL OPERATING:		58.92		65.31		132.57		192.31		174.06
INTEREST ON OPERATING:	.1	4.42	.09	4.41	.095	9.45	.16	23.08	.145	18.93
GRAND TOTAL OPERATING:		63.34		69.72		142.02		215.39		192.99

INVESTMENT COSTS:

Land initial cost	.09	300.00	.08	500.00	.085	800.00	.115	800.00	.12	400.00
Land interest		27.00		40.00		68.00		92.00		48.00
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investment 1/2 yr	46.73		50		146.61		199.67		199.67	
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GRAND TOTAL \$/AC		213.89		235.78		491.91		727.97		661.22
COST / TON AT 5 TON	42.78		47.16		98.38		145.59		132.24	
W/O STAND AMORTIZATION	31.93				66.19		101.08		88.42	