

KAMLOOPS ALFALFA/GRASS PRODUCTION – 2 CUT ROUND BALE
SUMMARY OF COSTS AND RETURNS

INCOME	Alfalfa/Grass Establishment (Year 1)				Alfalfa/Grass (Year 2 – 6)				
	Yield	Units	Per Acre	Per Ton	Yield	Price	Units	Per Acre	Per Ton
Oat Hay	2.0	80.00	Ton	160.00			Ton		
Alfalfa First Cut	1.0	110.00	Ton	110.00	2.0	110.00	Ton	220.00	
Alfalfa Second Cut		110.00	Ton		1.5	110.00	Ton	165.00	
Total Income	3.0			270.00	90.00			385.00	110.00
DIRECT COSTS			Units				Units		
Supplies and Materials	Quantity	Cost/ Unit	Used	Cost/Ac	Quantity	Cost/ Unit	Used	Cost/Ac	
Certified Seed: Alfalfa	8.0	3.25	Lbs.	26.00	0.0	0.00	Lbs.	0.00	
: Orchard Grass	4.0	2.60	Lbs.	10.40	0.0	0.00	Lbs.	0.00	
: Bromegrass	2.0	1.90	Lbs.	3.80	0.0	0.00	Lbs.	0.00	
: Oats	60.0	0.22	Lbs.	12.93	0.0	0.00	Lbs.	0.00	
Fertilizer: 11 52 00	100.0	0.22	Lbs.	21.82	100.0	0.22	Lbs.	21.82	
: 46 00 00	100.0	0.18	Lbs.	18.38	0.0	0.18	Lbs.	0.00	
Twine	3.0	1.92	ton of hay	5.77	3.5	1.92	ton of hay	6.73	
Irrigation Power	5.0	2.40	Time	12.00	5.0	2.40	Time	12.00	
Total Supplies and Materials				111.10				40.55	
Fuel & Lube Costs				20.63				9.53	
Machine Repairs				32.08				19.27	
Total Direct Costs				163.82	54.61			69.35	19.82
Contribution Margin				106.18	35.39			315.65	90.18
INDIRECT COSTS									
Depreciation Buildings & Equipment				76.13	25.38			76.13	21.75
Labour				39.12	13.04			25.25	7.21
Total Indirect Costs				115.25	38.42			101.37	28.96
Total Direct and Indirect Costs				279.07	93.02			170.73	48.78
Gross Operating Profit				-9.07	-3.02			214.27	61.22
OPPORTUNITY COSTS									
Interest on Direct Costs				6.55	2.18			2.77	0.79
Land Rental Cost				60.00	20.00			60.00	17.14
Interest on Buildings & Equipment				86.90	28.97			86.90	24.83
Total Opportunity Costs				153.45	51.15			149.67	42.76
TOTAL ECONOMIC COSTS				432.52	144.17			320.40	91.54

KAMLOOPS ALFALFA/GRASS PRODUCTION – 2 CUT ROUND BALE

AVERAGE PRODUCTION COSTS FOR ALL YEARS

REVENUE	Average Six Years			Cost Per Ton of Hay Produced						
	Yield	Per Acre	Per Ton	Acres of Hay Production Year						
				100	150	200	250	300		
Oat Hay	0.33	26.67	80.00							
Alfalfa First Cut	1.83	201.67	110.00							
Alfalfa Second Cut	1.25	137.50	110.00	2.5	151.24	128.69	117.83	111.65	107.80	
Total Revenue	3.42	365.83	107.07	Yield/	3.0	131.34	111.92	102.57	97.25	93.93
				Acre	3.5	116.29	99.25	91.03	86.36	83.45
					4.0	104.52	89.32	82.00	77.83	75.24
					4.5	95.05	81.35	74.74	70.98	68.64
DIRECT COSTS										
Seed		6.70	1.96							
Fertilizer		24.89	7.28							
Twine		6.57	1.92							
Irrigation		12.00	3.51							
Total Supplies and Materials		52.31	15.31							
Fuel & Lube Costs		11.38	3.33							
Machine Repairs		21.41	6.27							
Total Direct Costs		85.10	24.91							
Contribution Margin		280.74	82.17							
INDIRECT COSTS										
Depreciation Buildings & Equipment		76.13	22.28							
Labour		27.56	8.07							
Total Indirect Costs		103.69	30.35							
Total Direct and Indirect Costs		188.78	55.25							
Gross Operating Profit		177.05	51.82							
OPPORTUNITY COSTS										
Interest on Direct Costs		3.40	1.00							
Land Rental Cost		60.00	17.56							
Interest on Buildings & Equipment		86.90	25.43							
Total Opportunity Costs		150.30	43.99							
TOTAL ECONOMIC COSTS		339.09	99.25							

KAMLOOPS ALFALFA/GRASS PRODUCTION – 2 CUT ROUND BALE

ALFALFA/GRASS ESTABLISHMENT (Year 1)

OPERATIONS TABLE

Production **30** Acres

OPERATION DESCRIPTION	MACHINE NUMBER	Times Done	Acres per Hour		Per Acre Machine Costs		Hours	Labour	TOTAL
			Machine	Labour	Repair	Fuel	Labour	Cost	Operating Cost
Plowing	2	4	1.20 ac/hr	1.20 ac/hr	7.18	6.12	0.83	8.33	21.63
Discing	2	5	5.00 ac/hr	5.00 ac/hr	3.42	2.94	0.40	4.00	10.35
Harrowing	1	6	18.00 ac/hr	18.00 ac/hr	0.38	0.62	0.11	1.11	2.11
					0.00	0.00	0.00	0.00	0.00
Seed & Fert	1	8	4.50 ac/hr	4.50 ac/hr	1.57	1.23	0.22	2.22	5.03
Irrigating	14	5.0	0.73 ac/hr	5.30 ac/hr	6.16	0.00	0.94	9.43	15.60
Swathing/Conditioning	1	10	5.50 ac/hr	5.50 ac/hr	3.53	2.02	0.36	3.64	9.18
Raking	1	11	5.50 ac/hr	5.50 ac/hr	1.69	2.02	0.36	3.64	7.35
Baling first cut	2	12	4.00 ac/hr	4.00 ac/hr	3.76	1.83	0.25	2.50	8.09
Baling second cut	2	12	8.00 ac/hr	8.00 ac/hr	1.88	0.92	0.13	1.25	4.04
					0.00	0.00	0.00	0.00	0.00
			Total hours per operation						
Stacking first cut	2	13	6.00 hrs	6.00 hrs	1.26	1.47	0.20	2.00	4.73
Stacking second cut	2	13	3.00 hrs	3.00 hrs	1.26	1.47	0.10	1.00	3.73
					0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00
					32.08	20.63	3.91	39.12	91.84
					Repair	Fuel	Total		
				Preharvest	18.71	10.90	29.61		
				Harvest	13.37	9.73	23.10		
				Harvest / Ton	4.46	3.24	7.70		

KAMLOOPS ALFALFA/GRASS PRODUCTION – 2 CUT ROUND BALE

ASSUMPTIONS AND PRICE DATA – January 2002

RETURNS	Alfalfa/Grass Establishment				Alfalfa/Grass			
	Yield	Price	Unit	Return	Yield	Price	Unit	Return
Oat Hay	2.0	80.00	Ton	160.00				0.00
Alfalfa First Cut	1.0	110.00	Ton	110.00	2.0	110.00	Ton	220.00
Alfalfa Second Cut		110.00	Ton		1.5	110.00	Ton	165.00
TOTAL RETURNS	3.0	90.00		270.00	3.5	110.00		385.00

DIRECT COSTS

Supplies & Materials Item	Purchase Price			Units Used	Alfalfa/Grass Establishment			Alfalfa Grass		
	Quantity	Unit	Price		Quantity	Cost/ Unit	Cost/Ac	Quantity	Cost/Unit	Cost/Ac
Certified Seed: Alfalfa	1	Lb.	3.25	Lbs.	8.0	3.25	26.00			0.00
: Orchard Grass	1	Lb.	2.60	Lbs.	4.0	2.60	10.40			0.00
: Bromegrass	1	Lb.	1.90	Lbs.	2.0	1.90	3.80			0.00
: Oats	1	Lb.	0.22	Lbs.	60	0.22	12.93			0.00
Fertilizer: 11 52 00	1	tonne	481.00	Lbs.	100.0	0.22	21.82	100.0	0.22	21.82
: 46 00 00	1	tonne	405.00	Lbs.	100.0	0.18	18.38	0.0	0.18	0.00
Twine	1	Bale	25.00	ton of hay	3.0	1.92	5.77	3.5	1.92	6.73
Irrigation Power	1	\$/irrigation	2.40	Time	5.0	2.40	12.00	5.0	2.40	12.00
TOTAL	Supplies and Materials						111.10			40.55

OTHER COSTS

Land Taxes	: Per Acre	12.00
Hired Labor Cost	: Per Hour	10.00

INTEREST COSTS

: Operating Capital	8.00%
: Buildings & Equip	8.00%
LAND	
: Land Rental Cost	60.00
: Value per acre	1000

BUILDINGS

	Size	Cost Sq. Ft.	Total Cost	Allotted To Crops
Hay Shed	3500	7.20	25200	100%
Workshop	750	25.00	18750	50%
Machine Storage	1500	12.00	18000	50%

POWERED EQUIPMENT

Tractor No.	Data H.P.	----- FUEL -----	
		Factor	Cost / lt.
#1	53 hp	0.215	0.424
#2	70 hp	0.215	0.424
#3		0.215	0.424
Pick up	Litre/Hr.	8	0.43
Truck	Litre/Hr.	30	0.43
Equip	Litre/Hr.		0.43

KAMLOOPS ALFALFA/GRASS PRODUCTION – 2 CUT ROUND BALE

MACHINERY COMPLEMENT SET

MACHINE LIST: NO.		Replacement Value	Current Value Total	Crops	Depreciation Rate	Annual Depreciation	Cost per Hour			
							Repair Code	Operating Repair	Fuel	
								0	0	
1	Tractor #1	53 hp 25,000	16,250	8,125	10.0%	813	1.0	2.50	5.56	
2	Tractor #2	70 hp 55,000	35,750	17,875	10.0%	1,788	1.0	5.50	7.34	
3	Tractor #3	0	0	0	10.0%	0	1.0	0.00	0.00	
4	Plow 3 btm	8,000	5,200	5,200	5.0%	260	3.9	3.12		
5	Disc 10 ft	16,000	10,400	10,400	5.0%	520	1.9	3.04		
6	Harrows 30 ft	3,000	1,950	1,950	10.0%	195	3.0	0.90		
7	Fertilizer Spreader	4,000	2,600	2,600	10.0%	260	10.0	4.00		
8	Drill 10 ft	12,000	7,800	7,800	7.0%	546	3.8	4.56		
9	Manure Spreader	7,500	4,875	4,875	5.0%	244	2.5	1.88		
10	Swather /Conditioner	20,000	13,000	13,000	10.0%	1,300	3.6	7.20		
11	Rotary Rake	6,000	3,900	3,900	7.0%	273	3.6	2.16		
12	Baler Round	28,000	18,200	18,200	10.0%	1,820	3.4	9.52		
13	Bale Wagon	4,000	2,600	2,600	10.0%	260	2.0	0.80		
14	Irrigation system	90,000	58,500	58,500	5.0%	2,925	0.1	0.90		
15				0		0		0.00		
16				0	10.0%	0		0.00		
17	Pick up	35,000	15,000	7,500	10.0%	750	3.0	10.50	3.44	
18	Truck			0	10.0%	0	3.0	0.00	12.90	
19	Equip			0		0		0.00	0.00	
20	Small tools	5,000	2,000	2,000	10.0%	200	0.0	0.00		
21	Hay Shed	25,200	20,000	20,000	5.0%	1,000	0.0	0.00		
22	Workshop	18,750	12,000	6,000	5.0%	300	0.0	0.00		
23	Machine Storage	18,000	10,000	5,000	5.0%	250	0	0.00		
Current Investment =			240,025	195,525	Depreciation	13,703				
Equipment			198,025	164,525	Equipment	12,153				
Buildings			42,000	31,000	Buildings	1,550				
Total Cultivated Acres				180						
Investment Per Acre				1,086	Deprec. Per Acre	76				

KAMLOOPS ALFALFA/GRASS PRODUCTION – 3 CUT SQUARE BALE

SUMMARY OF COSTS AND RETURNS

INCOME	Alfalfa/Grass Establishment (Year 1)				Alfalfa/Grass (Year 2 – 6)					
	Yield		Units	Per Acre	Per Ton	Yield	Price	Units	Per Acre	Per Ton
Oat Hay / First Cut	2.0	80.00	Ton	160.00		2.0	110.00	Ton	220.00	
Alfalfa Second Cut	1.5	100.00	Ton	150.00		1.5	120.00	Ton	180.00	
Alfalfa Third Cut		100.00	Ton			1.5	120.00	Ton	180.00	
Total Income	3.5			310.00	88.57	5.0			580.00	116.00
DIRECT COSTS			Units					Units		
Supplies and Materials	Quantity	Cost/ Unit	Used	Cost/Ac		Quantity	Cost/ Unit	Used	Cost/Ac	
Certified Seed: Alfalfa	8.0	3.25	Lbs.	26.00		0.0	0.00	Lbs.	0.00	
: Orchard Grass	4.0	2.60	Lbs.	10.40		0.0	0.00	Lbs.	0.00	
: Bromegrass	2.0	1.90	Lbs.	3.80		0.0	0.00	Lbs.	0.00	
:Oats	60.0	0.22	Lbs.	12.93		0.0	0.00	Lbs.	0.00	
Fertilizer: 11 52 00	100.0	0.22	Lbs.	21.82		150.0	0.22	Lbs.	32.74	
: 46 00 00	200.0	0.18	Lbs.	36.75		0.0	0.18	Lbs.	0.00	
Twine	3.5	1.92	ton of hay	6.73		5.0	1.92	ton of hay	9.62	
Irrigation Power	8.0	2.40	Time	19.20		8.0	2.40	Time	19.20	
Total Supplies and Materials				137.64					61.55	
Fuel & Lube Costs				21.09					13.69	
Machine Repairs				36.71					26.28	
Total Direct Costs				195.44	55.84				101.53	20.31
Contribution Margin				114.56	32.73				478.47	95.69
INDIRECT COSTS										
Depreciation Buildings & Equipment				77.93	22.27				77.93	15.59
Labour				45.91	13.12				34.15	6.83
Total Indirect Costs				123.84	35.38				112.08	22.42
Total Direct and Indirect Costs				319.28	91.22				213.61	42.72
Gross Operating Profit				-9.28	-2.65				366.39	73.28
OPPORTUNITY COSTS										
Interest on Direct Costs				7.82	2.23				4.06	0.81
Land Rental Cost				90.00	25.71				90.00	18.00
Interest on Buildings & Equipment				88.34	25.24				88.34	17.67
Total Opportunity Costs				186.16	53.19				182.41	36.48
TOTAL ECONOMIC COSTS				505.44	144.41				396.01	79.20

KAMLOOPS ALFALFA/GRASS PRODUCTION – 3 CUT SQUARE BALE

AVERAGE PRODUCTION COSTS FOR ALL YEARS

REVENUE	Average Six Years			Cost Per Ton of Hay Produced						
	Yield	Per Acre	Per Ton	Acres of Hay Production Year						
					100	150	200	250	300	
Oat Hay / First Cut	2.00	210.00	105.00							
Alfalfa Second Cut	1.50	175.00	116.67							
Alfalfa Third Cut	1.25	150.00	120.00	2.5	165.32	149.16	140.03	134.32	130.53	
Total Revenue	4.75	535.00	112.63	Yield//	3.0	145.88	130.07	121.29	115.84	112.23
				Acres	3.5	130.72	115.53	107.21	102.08	98.68
					4.0	118.56	104.08	96.24	91.42	88.25
					4.5	108.60	94.83	87.45	82.94	79.97
DIRECT COSTS										
Seed		6.70	1.41							
Fertiliser		37.04	7.80							
Twine		9.13	1.92							
Irrigation		19.20	4.04							
Total Supplies and Materials		74.23	15.63							
Fuel & Lube Costs		14.93	3.14							
Machine Repairs		28.02	5.90							
Total Direct Costs		117.18	24.67							
Contribution Margin		417.82	87.96							
INDIRECT COSTS										
Depreciation Buildings & Equipment		77.93	16.41							
Labour		36.11	7.60							
Total Indirect Costs		114.04	24.01							
Total Direct and Indirect Costs		231.22	48.68							
Gross Operating Profit		303.78	63.95							
OPPORTUNITY COSTS										
Interest on Direct Costs		4.69	0.99							
Land Rental Cost		90.00	18.95							
Interest on Buildings & Equipment		88.34	18.60							
Total Opportunity Costs		183.03	38.53							
TOTAL ECONOMIC COSTS		414.25	87.21							

KAMLOOPS ALFALFA/GRASS PRODUCTION – 3 CUT SQUARE BALE

ALFALFA/GRASS ESTABLISHMENT (Year 1)

OPERATIONS TABLE

OPERATION DESCRIPTION	Production	30	Acres			Per Acre			TOTAL		
				Times Done	Acres per Hour Machine	Labour	Machine Costs Repair	Fuel	Hours Labour	Labour Cost	Operating Cost
Plowing	2	4	1	1.20 ac/hr	1.20 ac/hr	7.18	6.12	0.83	8.33	21.63	
Discing	2	5	2	5.00 ac/hr	5.00 ac/hr	3.42	2.94	0.40	4.00	10.35	
Harrowing	1	6	2	18.00 ac/hr	18.00 ac/hr	0.38	0.62	0.11	1.11	2.11	
						0.00	0.00	0.00	0.00	0.00	
Seed & Fert	1	8	1	4.50 ac/hr	4.50 ac/hr	1.57	1.23	0.22	2.22	5.03	
Irrigating	14		8	0.73 ac/hr	5.30 ac/hr	9.86	0.00	1.51	15.09	24.96	
Swathing/Conditioning	1	10	2	5.50 ac/hr	5.50 ac/hr	3.53	2.02	0.36	3.64	9.18	
Raking	1	11	2	5.50 ac/hr	5.50 ac/hr	1.69	2.02	0.36	3.64	7.35	
Baling first cut	2	12	1	4.00 ac/hr	4.00 ac/hr	3.25	1.83	0.25	2.50	7.58	
Baling second cut	2	12	1	5.33 ac/hr	5.33 ac/hr	2.43	1.38	0.19	1.88	5.68	
Total hours per operation											
Stacking first cut	2	13	1	6.00 hrs	6.00 hrs	1.70	1.47	0.20	2.00	5.17	
Stacking second cut	2	13	1	4.50 hrs	4.50 hrs	1.70	1.47	0.15	1.50	4.67	
						0.00	0.00	0.00	0.00	0.00	
						0.00	0.00	0.00	0.00	0.00	
						0.00	0.00	0.00	0.00	0.00	
						36.71	21.09	4.59	45.91	103.71	
						Repair	Fuel	Total			
						Preharvest	22.41	10.90	33.31		
						Harvest	12.60	8.72	21.32		
						Harvest / Ton	3.60	2.49	6.09		

KAMLOOPS ALFALFA/GRASS PRODUCTION – 3 CUT SQUARE BALE

ALFALFA/GRASS ESTABLISHMENT (Year 2 – 6)

OPERATIONS TABLE

Production **150** Acres

OPERATION DESCRIPTION	MACHINE NUMBER	Times Done	Acres per Hour		Per Acre			Labour Cost	TOTAL Operating Cost
			Machine	Labour	Machine Costs Repair	Fuel	Hours Labour		
Fertilizer Application	2	1	15.00 ac/hr	15.00 ac/hr	0.57	0.49	0.07	0.67	1.72
Irrigating	14	6	0.73 ac/hr	5.30 ac/hr	7.40	0.00	1.13	11.32	18.72
Swathing/Conditioning	1	3	5.50 ac/hr	5.50 ac/hr	0.00	0.00	0.00	0.00	0.00
Raking	1	3	5.50 ac/hr	5.50 ac/hr	5.29	3.03	0.55	5.45	13.78
Baling first cut	1	1	5.50 ac/hr	5.50 ac/hr	2.54	3.03	0.55	5.45	11.03
Baling second cut	1	1	4.00 ac/hr	4.00 ac/hr	2.50	1.39	0.25	2.50	6.38
Baling third cut	1	1	5.33 ac/hr	5.33 ac/hr	1.87	1.04	0.19	1.88	4.79
Stacking first cut	2	1	5.33 ac/hr	5.33 ac/hr	1.87	1.04	0.19	1.88	4.79
Stacking second cut	2	1	5.33 ac/hr	5.33 ac/hr	1.87	1.04	0.19	1.88	4.79
Stacking third cut	2	1	5.33 ac/hr	5.33 ac/hr	1.87	1.04	0.19	1.88	4.79
Total hours per operation									
Stacking first cut	2	1	30.00 hrs	30.00 hrs	1.70	1.47	0.20	2.00	5.17
Stacking second cut	2	1	22.50 hrs	22.50 hrs	1.28	1.10	0.15	1.50	3.88
Stacking third cut	2	1	22.50 hrs	22.50 hrs	1.28	1.10	0.15	1.50	3.88
					0.00	0.00	0.00	0.00	0.00
TOTAL COSTS					26.28	13.69	3.41	34.15	74.12
									TOTAL
					Repair	Fuel	Total	Labour	Operating.
Pre Harvest					7.96	0.49	8.45	11.99	20.44
First Cut Swathing & raking					2.61	2.02	4.63	3.64	8.27
Baling & Stacking					4.20	2.86	7.05	4.50	11.55
Baling & Stacking / Ton					2.80	1.90	4.70	3.00	7.70
Harvesting Cost Per Acre					6.81	4.88	11.68	8.14	19.82
Second and Third Swathing & raking					2.61	2.02	4.63	3.64	8.27
Cost Per Cut Baling & Stacking					3.15	2.14	5.29	3.38	8.66
Baling and Stacking / Ton					2.10	1.43	3.53	2.25	5.78
Harvesting Cost Per Acre					5.76	4.16	9.92	7.01	16.93
Total Cost Per Acre					26.28	13.69	39.98	34.15	74.12

KAMLOOPS ALFALFA/GRASS PRODUCTION – 3 CUT SQUARE BALE

ASSUMPTIONS AND PRICE DATA – JANUARY 2002

RETURNS	Alfalfa/Grass Establishment				Alfalfa/Grass			
	Yield	Price	Unit	Return	Yield	Price	Unit	Return
Oat Hay / First Cut	2.0	80.00	Ton	160.00	2.0	110.00	Ton	220.00
Alfalfa Second Cut	1.5	100.00	Ton	150.00	1.5	120.00	Ton	180.00
Alfalfa Third Cut		100.00	Ton		1.5	120.00	Ton	180.00
TOTAL RETURNS	3.5	88.57		310.00	5.0	116.00		580.00

DIRECT COSTS

Supplies & Materials Item	Purchase Price			Units Used	Alfalfa/Grass Establishment			Alfalfa/Grass		
	Quantity	Unit	Price		Quantity	Cost/ Unit	Cost/Ac	Quantity	Cost/Unit	Cost/Ac
Certified Seed: Alfalfa	1	Lb.	3.25	Lbs.	8.0	3.25	26.00			0.00
: Orchard Grass	1	Lb.	2.60	Lbs.	4.0	2.60	10.40			0.00
: Bromegrass	1	Lb.	1.90	Lbs.	2.0	1.90	3.80			0.00
: Oats	1	Lb.	0.22	Lbs.	60	0.22	12.93			0.00
Fertilizer: 11 52 00	1	tonne	481.00	Lbs.	100.0	0.22	21.82	150.0	0.22	32.74
: 46 00 00	1	tonne	405.00	Lbs.	200.0	0.18	36.75		0.18	0.00
Twine	1	Bale	25.00	ton of hay	3.5	1.92	6.73	5.0	1.92	9.62
Irrigation Power	1	\$/irrigation	2.40	Time	8.0	2.40	19.20	8.0	2.40	19.20
TOTAL	Supplies and Materials						137.64			61.55

OTHER COSTS

Land Taxes	: Per Acre	12.00
Hired Labor Cost	: Per Hour	10.00

INTEREST COSTS

: Operating Capital	8.00%
: Buildings & Equip	8.00%

LAND

: Land Rental Cost	90.00
: Value per acre	1800

BUILDINGS

	Size	Cost	Total	Allotted
	Sq. Ft.	Sq. Ft.	Cost	To Crops
Hay Shed	3500	7.20	25200	100%
Workshop	750	25.00	18750	50%
Machine Storage	1500	12.00	18000	50%

POWERED EQUIPMENT

Tractor	Data	----- Fuel -----	
No.	H.P.	Factor	Cost / lt.
#1	53 hp	0.215	0.424
#2	70 hp	0.215	0.424
#3		0.215	0.424
Pick up	Litre/Hr.	8	0.43
Truck	Litre/Hr.	30	0.43
Equip	Litre/Hr.		0.43

KAMLOOPS ALFALFA/GRASS PRODUCTION – 3 CUT SQUARE BALE

MACHINERY COMPLEMENT SET

MACHINE LIST: NO.	Replacement Current Value		Crops	Deprec. Rate	Annual Deprec	Cost per Hour				
	Value	Total				Repair Code	Operating Repair	Fuel		
0							0	0		
1	Tractor #1	53 hp	25,000	16,250	8,125	10.0%	813	1.0	2.50	5.56
2	Tractor #2	70 hp	55,000	35,750	17,875	10.0%	1,788	1.0	5.50	7.34
3	Tractor #3		0	0	0	10.0%	0	1.0	0.00	0.00
4	Plow 3 btm		8,000	5,200	5,200	5.0%	260	3.9	3.12	
5	Disc 10 ft		16,000	10,400	10,400	5.0%	520	1.9	3.04	
6	Harrows 30 ft		3,000	1,950	1,950	10.0%	195	3.0	0.90	
7	Fertilizer Spreader		4,000	2,600	2,600	10.0%	260	10.0	4.00	
8	Drill 10 ft		12,000	7,800	7,800	7.0%	546	3.8	4.56	
9	Manure Spreader		7,500	4,875	4,875	5.0%	244	2.5	1.88	
10	Swather /Conditioner		20,000	13,000	13,000	10.0%	1,300	3.6	7.20	
11	Rotary Rake		6,000	3,900	3,900	7.0%	273	3.6	2.16	
12	Baler Small Square		22,000	14,300	14,300	10.0%	1,430	3.4	7.48	
13	Bale Wagon		15,000	9,750	9,750	10.0%	975	2.0	3.00	
14	Irrigation system		90,000	58,500	58,500	5.0%	2,925	0.1	0.90	
15					0		0		0.00	
16					0		0		0.00	
17	Pick up		35,000	15,000	7,500	10.0%	750	3.0	10.50	3.44
18	Truck				0	10.0%	0	3.0	0.00	12.90
19	Equip				0		0		0.00	0.00
20	Small tools		5,000	2,000	2,000	10.0%	200	0.0	0.00	
21	Hay Shed		25,200	20,000	20,000	5.0%	1,000	0.0	0.00	
22	Workshop		18,750	12,000	6,000	5.0%	300	0.0	0.00	
23	Machine Storage		18,000	10,000	5,000	5.0%	250	0	0.00	
Current Investment =			243,275	198,775	Depreciation		14,028			
Equipment			201,275	167,775	Equipment		12,478			
Buildings			42,000	31,000	Buildings		1,550			
Total Cultivated Acres					180					
Investment Per Acre					1,104 Depr Per Acre		78			