

*Projections for Planning Purposes Only  
Not to be Used without Updating after October 15, 2003*

Table 2.A Estimated costs and returns per Acre  
Alfalfa Establishment, Irrigated  
2004 Projected Costs and Returns per Acre

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
TOTAL INCOME				----- 0.00	_____
DIRECT EXPENSES					
custom					
insec. appl.	acre	3.50	1.0000	3.50	_____
insecticide					
insect. - alfalfa 1	acre	4.00	1.0000	4.00	_____
seed					
seed - alfalfa	lb.	2.75	20.0000	55.00	_____
fertilizer					
nitrogen - 18-46-0	lb.	0.12	40.0000	4.80	_____
fertilizer (P)	lb.	0.14	80.0000	11.20	_____
potash (K)	lb.	0.11	40.0000	4.40	_____
sulfur	lb.	0.18	12.0000	2.16	_____
OPERATOR LABOR					
Implements	hour	9.00	0.4482	4.03	_____
Tractors	hour	9.00	0.4089	3.68	_____
Self-Propelled Eq.	hour	9.00	0.1876	1.68	_____
IRRIGATION LABOR					
irrigation	hour	9.00	0.5120	4.60	_____
DIESEL FUEL					
Tractors	gal	1.00	1.7256	1.72	_____
ELECTRICITY					
irrigation	kWh	0.08	131.2000	10.49	_____
GASOLINE					
Self-Propelled Eq.	gal	1.10	2.8140	3.09	_____
REPAIR & MAINTENANCE					
Implements	Acre	3.01	1.0000	3.01	_____
Tractors	Acre	2.49	1.0000	2.49	_____
Self-Propelled Eq.	Acre	0.22	1.0000	0.22	_____
irrigation	ac/in	2.03	8.0000	16.24	_____
INTEREST ON OP. CAP.	Acre	3.62	1.0000	3.62	_____
TOTAL DIRECT EXPENSES				----- 139.98	_____
RETURNS ABOVE DIRECT EXPENSES				----- -139.98	_____
FIXED EXPENSES					
Implements	Acre	5.38	1.0000	5.38	_____
Tractors	Acre	3.75	1.0000	3.75	_____
Self-Propelled Eq.	Acre	0.48	1.0000	0.48	_____
irrigation	Acre	33.60	1.0000	33.60	_____
TOTAL FIXED EXPENSES				----- 43.23	_____
TOTAL SPECIFIED EXPENSES				----- 183.21	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				----- -183.21	_____
ALLOCATED COST ITEMS					
cash rent - alf irr.	acre	50.00	1.0000	50.00	_____
RESIDUAL RETURNS				----- -233.21	_____

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Table 2.B Estimated resource use and costs for field operations, per Acre  
Alfalfa Establishment, Irrigated  
2004 Projected Costs and Returns per Acre

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
insect. - alfalfa 1	acre			1.00	Jun							1.0000	4.00	4.00	4.00
insec. appl.	acre											1.0000	3.50	3.50	3.50
Chisel - 25 Feet	25 Feet	125	0.091	1.00	Jul	1.36	1.24	0.52	1.27	0.201	1.81				6.22
Disc-Tandem (21 ft)	21 feet	100	0.105	1.00	Aug	1.21	1.06	1.08	1.64	0.231	2.08				7.09
irrigation	ac/in			1.00	Aug			13.36	33.60	0.256	2.30	4.0000			49.27
nitrogen - 18-46-0	lb.			1.00	Sep							40.0000	0.12	4.80	4.80
fertilizer (P)	lb.											80.0000	0.14	11.20	11.20
potash (K)	lb.											40.0000	0.11	4.40	4.40
sulfur	lb.											12.0000	0.18	2.16	2.16
Drill - Grain	13.5 feet	40	0.212	1.00	Sep	1.63	1.44	1.41	2.46	0.424	3.81				10.77
seed - alfalfa	lb.											20.0000	2.75	55.00	55.00
Pick-up Truck	3/4 ton		0.006	28.00	Sep			3.32	0.48	0.187	1.68				5.49
irrigation	ac/in			1.00	Oct			13.36		0.256	2.30	4.0000			15.67
TOTALS						4.21	3.75	33.07	39.47	1.556	14.01			85.06	179.59
INTEREST ON OPERATING CAPITAL															3.62
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															183.21

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