

Projections for Planning Purposes Only
Not to be Used without Updating after January 1, 2011

B-1241 (C3)

Table 2.A Estimated costs and returns per Acre
 Alfalfa Establishment, Irrigated
 2011 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	4.50	1.0000	4.50	-----
insecticide					
insect. - alfalfa 1	acre	4.00	1.0000	4.00	-----
seed					
seed - alfalfa	lb.	3.00	20.0000	60.00	-----
fertilizer					
fertilizer (N)	lb.	0.52	40.0000	20.80	-----
fertilizer (P)	lb.	0.58	80.0000	46.40	-----
potash (K)	lb.	0.50	40.0000	20.00	-----
sulfur	lb.	0.30	12.0000	3.60	-----
OPERATOR LABOR					
Implements	hour	10.00	0.5743	5.74	-----
Tractors	hour	10.00	0.5140	5.14	-----
Self-Propelled Eq.	hour	10.00	0.1876	1.87	-----
IRRIGATION LABOR					
irrigation	hour	10.00	0.5120	5.12	-----
DIESEL FUEL					
Tractors	gal	2.55	3.4386	8.76	-----
ELECTRICITY					
irrigation	kWh	0.11	131.2000	15.08	-----
GASOLINE					
Self-Propelled Eq.	gal	2.70	2.8140	7.59	-----
REPAIR & MAINTENANCE					
Implements	Acre	4.71	1.0000	4.71	-----
Tractors	Acre	4.43	1.0000	4.43	-----
Self-Propelled Eq.	Acre	0.30	1.0000	0.30	-----
irrigation	ac/in	2.33	8.0000	18.64	-----
INTEREST ON OP. CAP.	Acre	5.08	1.0000	5.08	-----
TOTAL DIRECT EXPENSES				241.81	-----
RETURNS ABOVE DIRECT EXPENSES				-241.81	-----
FIXED EXPENSES					
Implements	Acre	7.84	1.0000	7.84	-----
Tractors	Acre	7.83	1.0000	7.83	-----
Self-Propelled Eq.	Acre	0.62	1.0000	0.62	-----
irrigation	Acre	38.64	1.0000	38.64	-----
TOTAL FIXED EXPENSES				54.94	-----
TOTAL SPECIFIED EXPENSES				296.76	-----
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-296.76	-----
ALLOCATED COST ITEMS					
cash rent - alf irr.	acre	75.00	1.0000	75.00	-----
RESIDUAL RETURNS				-371.76	-----

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Table 2.B Estimated resource use and costs for field operations, per Acre
 Alfalfa Establishment, Irrigated
 2011 Projected Costs and Returns per Acre

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----						-----dollars-----				
insect. - alfalfa 1	acre			1.00	Mar								1.0000	4.00	4.00	4.00
insec. appl.	acre												1.0000	4.50	4.50	4.50
Chisel - 25 Feet	25 Feet	125	0.091	1.00	Jun	2.35	1.39	0.60	1.42	0.201	2.01					7.78
Disc-Tandem (21 ft)	21 feet	125	0.105	1.00	Jul	2.69	1.60	1.24	1.83	0.231	2.31					9.69
fertilizer (N)	lb.			1.00	Aug								40.0000	0.52	20.80	20.80
fertilizer (P)	lb.												80.0000	0.58	46.40	46.40
potash (K)	lb.												40.0000	0.50	20.00	20.00
sulfur	lb.												12.0000	0.30	3.60	3.60
Disc-Tandem (21 ft)	21 feet	125	0.105	1.00	Aug	2.69	1.60	1.24	1.83	0.231	2.31					9.69
irrigation	ac/in			1.00	Sep				16.86	38.64	0.256	2.56	4.0000			58.06
Drill - Grain	13.5 feet	125	0.212	1.00	Sep	5.45	3.23	1.62	2.74	0.424	4.24					17.30
seed - alfalfa	lb.												20.0000	3.00	60.00	60.00
Pick-up Truck	3/4 ton		0.006	28.00	Sep				7.89	0.62	0.187	1.87				10.40
irrigation	ac/in			1.00	Oct				16.86		0.256	2.56	4.0000			19.42
TOTALS						13.20	7.83	46.34	47.11	1.787	17.87				159.30	291.67
INTEREST ON OPERATING CAPITAL																5.08
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																296.76

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