

Table 4A. Income and Cash Operating Cost Summary, Alfalfa Stand Establish, 1996

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional  
 CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam  
 AREA: Maricopa YIELD: 0.0 Tn/Acre PREVIOUS CROP: Wheat, Winter DATE: 10/07/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
<b>CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)</b>						
Paid Labor (including benefits)					42.29	_____
Tractor/Self Propelled				29.16		_____
Irrigation				13.13		_____
Chemicals & Custom Applications					33.08	_____
Fertilizers				33.08		_____
Farm Machinery and Vehicles					28.50	_____
Diesel Fuel				14.24		_____
Repairs & Maint.				14.26		_____
Irrigation Water (excluding labor)					63.34	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					55.13	_____
Seed/Transplants				55.13		_____
<b>TOTAL CASH LAND PREPARATION AND GROWING EXPENSES</b>					<b>222.33</b>	_____
<b>CASH HARVEST AND POST HARVEST EXPENSES</b>						
<b>TOTAL HARVEST AND POST HARVEST EXPENSE</b>					<b>0.00</b>	_____
OPERATING OVERHEAD->PICKUP USE					7.69	_____
OPERATING INTEREST AT 8.0%					3.89	_____
<b>TOTAL CASH OPERATING EXPENSES</b>					<b>\$233.91</b>	_____
<b>RETURNS OVER CASH OPERATING EXPENSES</b>					<b>( \$233.91)</b>	_____

Notes: The above figures do not include ownership costs, see Table 4B on Next Page for detailed cost allocation.

\*\* A water assessment charge of \$18.75/Acre is included in the ownership costs of Table 4B.



Table 4C. Variable Operating Costs; Alfalfa Stand Establish, 1996

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional  
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 AREA: Maricopa YIELD: 0.0 Tn/Acre PREVIOUS CROP: Wheat, Winter DATE: 10/07/96

No.	Month	First Operation	— Hours * —			Operating Costs (\$/Acre*)				Times	Tot. Cash Expense	Class
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			
1	Aug	Disk	0.225	0.250	2.54	2.10			4.64	2.0	9.28	L
2	Aug	Rip	0.600	0.667	5.38	5.61			10.99	2.0	21.97	L
3	Sep	Apply Fert/Ground	0.075	0.083	0.46	0.70		33.08	34.24	1.0	34.24	G
4	Sep	Laser Level	0.900	1.000	7.88	8.41			16.29	1.0	16.29	L
5	Sep	Make Borders	0.045	0.050	0.36	0.42			0.78	1.0	0.78	G
6	Sep	Mulch	0.225	0.250	1.82	2.10			3.92	1.0	3.92	L
7	Sep	Plant	0.225	0.250	2.15	2.10		55.13	59.38	1.0	59.38	L
8	Sep	Irrigate		1.124		7.88		38.00	45.88	1.0	45.88	G
9	Sep	Irrigate		0.375		2.63		12.67	15.30	2.0	30.60	G
		Pickup Use 30 Mi/Ac	1.000		7.68						7.68	O
		Operating Interest at 8.00%						3.90			3.90	O
TOTAL CASH OPERATING EXPENSES:					\$36.19	\$42.29	\$3.90	\$151.55			\$233.93	T

\* NOTES: Machine and labor hours and operating cost are for one time over the designated acreage. The 'Tot. Cash Expense' column and the 'TOTAL CASH OPERATING EXPENSES:' row include all operations, all times over. Classes are defined below. A water assessment charge of \$18.75/Acre included as ownership cost in Table 4B.

OPERATING COST SUMMARY BY CLASS	
Land Preparation (L)	\$110.84
Growing (G)	111.49
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	11.58
Total (T)	\$233.92

Table 4D. Resource and Cash Flow Requirements; Alfalfa Stand Establish, 1996

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 AREA: Maricopa YIELD: 0.0 Tn/Acre PREVIOUS CROP: Wheat, Winter DATE: 10/07/96

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
AUG C			0.91		7.91	7.71				15.63
SEP C	1.0	8.0	3.17	25.34	19.51	25.65	33.08	27.56		131.13
OCT C	1.0	8.0	0.87	25.34	1.08	6.30		27.56		60.28
NOV C	0.5	2.0	0.18	6.34		1.31				7.65
DEC C	0.5	2.0	0.18	6.34		1.31				7.65
Pickup Use 30 Mi/Ac					7.68					7.68
Operating Interest at 8.0%									3.89	3.89
Water Assessment				**						
<b>Total</b>	<b>3.0</b>	<b>20.0</b>	<b>5.34</b>	<b>63.34</b>	<b>36.19</b>	<b>42.29</b>	<b>33.08</b>	<b>55.13</b>	<b>3.89</b>	<b>233.92</b>
<b>%</b>				<b>27.07</b>	<b>15.47</b>	<b>18.07</b>	<b>14.14</b>	<b>23.56</b>	<b>1.66</b>	<b>100.00</b>

TOTAL RESOURCES REQUIREMENTS (/Acre)			TOTAL ENERGY REQUIREMENTS (/Acre)		
Total N	22.0 lbs		Diesel Fuel	14.9 Gal	
Total P	104.0 lbs		Regular Gas	0.0 Gal	
Total K	0.0 lbs		NonLead Gas	3.0 Gal	
Total Labor	5.3 Hrs				
Total Water	20.0 AI		All Direct Energy	2.4 M BTU	

EQUIPMENT REQUIREMENTS (/Acre)					
Tractor, 100 PTO HP, MFWD	2.82 Hrs	Offset Disk, 13.5'	0.45 Hrs	V-Ripper, 5 Shnk	1.20 Hrs
Tractor, 70 PTO HP, MFWD	0.30 Hrs	Fertilizer Broadcaster, Towed	0.08 Hrs	Drag Scraper, 10'	0.90 Hrs
Laser Receiver, Mast System	0.90 Hrs	Laser Trailer	0.90 Hrs	Border Disk, Heavy Duty	0.05 Hrs
Cultipacker, 13'	0.23 Hrs	Grain Drill, 16'	0.23 Hrs	Pickup Truck, 1/2 Ton	1.00 Hrs

MATERIALS REQUIREMENTS (/Acre)					
11-52-00, Dry	200.00 Lb	Alfalfa Sd, Cert	25.00 Lb	Water, District	20.00 AI

LABOR REQUIREMENTS (/Acre)					
Tractor	3.47 Hrs	Irrigators	1.87 Hrs		

\* NOTE: P = Previous Year C = Current Year N = Next Year  
 \*\* A water assessment charge of \$18.75/Acre included as ownership cost in Table 4B.

Table 4E. Schedule of Operations; Alfalfa Stand Establish, 1996

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional  
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 AREA: Maricopa YIELD: 0.0 Tn/Acre PREVIOUS CROP: Wheat, Winter DATE: 10/07/96

No.	Month	Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.		Name	Appl. Rate	\$/Unit		
1	Aug	2.0	Disk	100	Offset Disk, 13.5'	4.00					Tractor
2	Aug	2.0	Rip	100	V-Ripper, 5 Shnk	1.50					Tractor
3	Sep	1.0	Apply Fert/Ground	70	Fertilizer Broadcaster,	12.00	11-52-00, Dry	200.00 Lb	315.00 Tn		Tractor
4	Sep	1.0	Laser Level	100	Drag Scraper, 10' Laser Receiver, Mast Sy Laser Trailer	1.00					Tractor
5	Sep	1.0	Make Borders	100	Border Disk, Heavy Duty	20.00					Tractor
6	Sep	1.0	Mulch	100	Cultipacker, 13'	4.00					Tractor
7	Sep	1.0	Plant	70	Grain Drill, 16'	4.00	Alfalfa Sd, Cert	25.00 Lb	210.00 CW		Tractor
8	Sep	1.0	Irrigate			0.89	Water, District	12.00 AI	38.00 AF		Irrigator
9	Sep	2.0	Irrigate			2.67	Water, District	4.00 AI	38.00 AF		Irrigator
			Pickup Use 30 Mi/Ac		Pickup Truck, 1/2 Ton	1.00					

\* NOTE: Machine times, labor times, and material rates are for one time over the designated acreage.

\*\* A water assessment charge of \$18.75/Acre included as ownership cost in Table 4B.

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