

Table 7.A Summary of estimated costs per acre  
 Lima / butter beans - mechanical harvest  
 Alabama, MALTAG, 2007

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	99.53	1.0000	99.53	_____
FUNGICIDE	acre	25.70	1.0000	25.70	_____
HERBICIDE	acre	3.50	1.0000	3.50	_____
INSECTICIDE	acre	26.68	1.0000	26.68	_____
SEED/PLANTS	acre	720.00	1.0000	720.00	_____
GRD LABOR LIMA BEANS	hour	8.00	14.1200	112.96	_____
HAND LABOR	hour	8.00	10.9786	87.83	_____
LABOR BEAN TRAILER	hour	8.00	3.5800	28.64	_____
OPERATOR LABOR	hour	9.41	9.9600	93.72	_____
DIESEL FUEL	gal	2.41	38.4498	92.66	_____
REPAIR & MAINTENANCE	acre	107.76	1.0000	107.76	_____
INTEREST ON OP. CAP.	acre	23.85	1.0000	23.85	_____
				-----	
TOTAL DIRECT EXPENSES				1422.83	_____
TOTAL FIXED EXPENSES				259.00	_____
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TOTAL SPECIFIED EXPENSES				1681.83	_____

Note: Cost of production estimates are based on 2006 input prices.

Table 7.B Estimated resource use and costs for field operations, per acre  
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OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	34.00	16.83	16.83
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Jan	2.25	1.48	0.17	0.36	0.22	2.07				6.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.03	1.33	0.51	1.30	0.19	1.87				7.04
Disk Bed +App Fert	4-Row	2WD 75 hp	0.141	1.00	Mar	1.44	0.94	0.42	1.34	0.21	1.89				6.03
Amm Nitrate (34%)	cwt											1.5000	17.00	25.50	25.50
Phosphorus(46% P205)	cwt											1.5600	15.00	23.40	23.40
Potash (60% K20)	cwt											1.2000	14.00	16.80	16.80
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.30	0.39	1.24	0.29	2.60				7.51
Treflan HFP	pt											1.5000	2.33	3.50	3.50
Diazion AG500	pt											1.0000	4.27	4.27	4.27
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.06	2.66	6.36	13.00	0.39	3.73				29.81
Lima Bean-Hybrid	lb											30.0000	24.00	720.00	720.00
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	May	2.51	1.64	7.97	17.34	0.24	2.31				31.77
Sevin XLR Plus	qt											1.0000	7.47	7.47	7.47
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.98	1.30	1.10	6.63	0.29	2.60				13.61
Amm Nitrate (34%)	cwt											1.0000	17.00	17.00	17.00
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	4.00	May	10.04	6.58	31.90	69.34	0.98	9.24				127.10
Kocide DF	lb											8.8000	2.92	25.70	25.70
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	May	2.51	1.64	7.97	17.34	0.24	2.31				31.77
Sevin XLR Plus	qt											2.0000	7.47	14.94	14.94
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	Jun	36.52	23.92	39.11	44.69	10.71	90.75				234.99
Trailer-Lima/B. Bean	16 ft	2WD 75 hp	3.571	1.00	Jun	36.52	23.92	1.75	3.66	7.14	62.18				128.03
LABOR BEAN TRAILER	hour														28.64
Sheller Lima Beans	each			1.00	Jun				8.15			0.0200			8.15
Application 1	acre			1.00	Jun			0.25		9.00	72.00	1.0000			72.25
R.B.Convey LimaBeans	each			1.00	Jun				3.70			0.0200			3.70
Rot.PakTable L-Beans	each			1.00	Jun				3.23			0.0200			3.23
Application 1	acre			1.00	Jun			0.13		5.00	40.00	1.0000			40.13
Bag Sealer LimaBeans	each			1.00	Jun				0.97			0.0200			0.97
Application 1	acre			1.00	Jun			0.55		0.12	0.96	1.0000			1.51
TOTALS						101.84	66.71	98.58	192.29	38.63	323.15			875.41	1657.98
INTEREST ON OPERATING CAPITAL															23.85
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															1681.83

Note: Cost of production estimates are based on 2006 input prices.

Table 7.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
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			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			17.24	18.48	19.90	21.56	23.52	25.87	28.74	32.34	36.96	43.12	51.74
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.50	101b	-862	-822	-775	-722	-658	-581	-488	-371	-221	-21	259
			-1121	-1081	-1034	-981	-917	-840	-747	-630	-480	-280	0
60	39.00	101b	-750	-702	-646	-581	-505	-413	-301	-161	18	259	595
			-1009	-961	-905	-840	-764	-672	-560	-420	-240	0	336
70	45.50	101b	-637	-581	-517	-441	-352	-245	-114	48	259	539	931
			-896	-840	-776	-700	-611	-504	-373	-210	0	280	672
80	52.00	101b	-525	-461	-387	-301	-199	-77	72	259	499	819	1268
			-784	-720	-646	-560	-458	-336	-186	0	240	560	1009
90	58.50	101b	-413	-341	-258	-161	-46	90	259	469	739	1099	1604
			-672	-600	-517	-420	-305	-168	0	210	480	840	1345
100	65.00	101b	-301	-221	-129	-21	106	259	445	679	979	1380	1940
			-560	-480	-388	-280	-152	0	186	420	720	1121	1681
110	71.50	101b	-189	-101	0	118	259	427	632	889	1220	1660	2277
			-448	-360	-258	-140	0	168	373	630	961	1401	2018
120	78.00	101b	-77	18	129	259	411	595	819	1099	1460	1940	2613
			-336	-240	-129	0	152	336	560	840	1201	1681	2354
130	84.50	101b	34	138	259	399	564	763	1006	1310	1700	2221	2949
			-224	-120	0	140	305	504	747	1051	1441	1962	2690
140	91.00	101b	146	259	388	539	717	931	1193	1520	1940	2501	3286
			-112	0	129	280	458	672	934	1261	1681	2242	3027
150	97.50	101b	259	379	517	679	870	1099	1380	1730	2181	2781	3622
			0	120	258	420	611	840	1121	1471	1922	2522	3363

The top number in each cell is Returns Above Direct Expenses.  
 The bottom number in each cell is Returns Above Total Specified Expenses.  
 Only the product listed has been varied to calculate net returns.  
 Note: Cost of production estimates are based on 2006 input prices.