

Table 3.A: Estimated costs per acre  
**Lima/Butter Beans - Hand Harvest**  
 Alabama - MALTA, 2005

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>FERTILIZER</b>					
Lime (Spread)	ton	28.77	0.4950	14.24	_____
Amm Nitrate (34%)	cwt	10.65	2.5000	26.63	_____
Phosphorus(46% P205)	cwt	11.55	1.5600	18.02	_____
Potash (60% K20)	cwt	8.20	1.2000	9.84	_____
<b>FUNGICIDE</b>					
Kocide DF	lb	2.18	4.4000	9.59	_____
<b>HERBICIDE</b>					
Treflan HFP	pt	3.19	1.5000	4.79	_____
<b>INSECTICIDE</b>					
Diazinon 50W	lb.	4.53	1.0000	4.53	_____
Sevin XLR Plus	qt	4.61	3.0000	13.83	_____
<b>SEED/PLANTS</b>					
Lima Bean-OP	lb	26.15	30.0000	784.50	_____
<b>OTHER</b>					
5-Gal Bucket	each	1.00	40.0000	40.00	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.82	2.3261	22.82	_____
<b>Harvest Labor</b>					
Special Labor	hour	6.44	136.0000	875.84	_____
<b>HAND LABOR</b>					
Implements	hour	6.44	0.2643	1.69	_____
<b>Grd Labor Lima Beans</b>					
Bag Sealer LimaBeans	hour	6.44	0.1200	0.77	_____
Rot.PakTable L-Beans	hour	6.44	5.0000	32.20	_____
Sheller Lima Beans	hour	6.44	9.0000	57.96	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.34	8.9798	12.03	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	44.63	1.0000	44.63	_____
Tractors	acre	2.00	1.0000	2.00	_____
Bag Sealer LimaBeans	acre	0.49	1.0000	0.49	_____
Rot.PakTable L-Beans	acre	0.11	1.0000	0.12	_____
Sheller Lima Beans	acre	0.21	1.0000	0.22	_____
INTEREST ON OP. CAP.	acre	18.02	1.0000	18.02	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				1994.76	_____
<b>FIXED EXPENSES</b>					
Implements	acre	83.98	1.0000	83.98	_____
Tractors	acre	12.44	1.0000	12.44	_____
Bag Sealer LimaBeans	each	35.56	0.0200	0.71	_____
R.B.Convey LimaBeans	each	133.89	0.0200	2.68	_____
Rot.PakTable L-Beans	each	106.78	0.0200	2.14	_____
Sheller Lima Beans	each	279.48	0.0200	5.59	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				107.54	_____
				-----	
<b>TOTAL SPECIFIED EXPENSES</b>				2102.30	_____

Note: Cost of production estimates are based on last year's input price

Table 3.B: Estimated resource use and costs for field operations, per acre  
 Lima/Butter Beans - Hand Harvest  
 Alabama - MALTA, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	28.77	14.24	14.24
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Jan	1.33	1.18	0.42	0.75	0.22	2.16				5.84
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	1.20	1.06	0.48	1.05	0.19	1.95				5.74
Disk Bed +App Fert	4-Row	2WD 75 hp	0.141	1.00	Mar	0.85	0.75	0.37	1.00	0.21	1.83				4.80
Amm Nitrate (34%)	cwt											1.5000	10.65	15.98	15.98
Phosphorus(46% P205)	cwt											1.5600	11.55	18.02	18.02
Potash (60% K20)	cwt											1.2000	8.20	9.84	9.84
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.17	1.04	0.36	0.99	0.29	2.52				6.08
Treflan HFP	pt											1.5000	3.19	4.79	4.79
Diazinon 50W	lb.											1.0000	4.53	4.53	4.53
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	2.39	2.12	6.43	10.70	0.39	3.89				25.53
Lima Bean-OP	lb											30.0000	26.15	784.50	784.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	May	1.48	1.31	8.84	15.96	0.24	2.41				30.00
Sevin XLR Plus	qt											1.0000	4.61	4.61	4.61
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.17	1.04	1.21	5.64	0.29	2.52				11.58
Amm Nitrate (34%)	cwt											1.0000	10.65	10.65	10.65
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	May	2.96	2.63	17.68	31.93	0.49	4.82				60.02
Kocide DF	lb											4.4000	2.18	9.59	9.59
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	May	1.48	1.31	8.84	15.96	0.24	2.41				30.00
Sevin XLR Plus	qt											2.0000	4.61	9.22	9.22
Harvest Labor	hour			1.00	Jun					136.00	875.84				875.84
5-Gal Bucket	each											40.0000	1.00	40.00	40.00
Sheller Lima Beans	each			1.00	Jun				5.59			0.0200			5.59
Application 1	acre			1.00	Jun			0.22		9.00	57.96	1.0000			58.18
R.B.Convey LimaBeans	each			1.00	Jun				2.68			0.0200			2.68
Rot.PakTable L-Beans	each			1.00	Jun				2.14			0.0200			2.14
Application 1	acre			1.00	Jun			0.12		5.00	32.20	1.0000			32.32
Bag Sealer LimaBeans	each			1.00	Jun				0.71			0.0200			0.71
Application 1	acre			1.00	Jun			0.49		0.12	0.77	1.0000			1.26
TOTALS						14.03	12.44	45.46	95.10	152.71	991.28			925.97	2084.28
INTEREST ON OPERATING CAPITAL															18.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2102.30

Note: Cost of production estimates are based on last year's input prices.

Table 3.C: Breakeven price above total expenses and net returns for price/yield combinations, per acre  
Lima / Butter Beans - Hand Harvest, Alabama - MALTA, 2005

			BREAKEVEN PRICE										
Lima/Butter Beans			13.09	14.03	15.11	16.37	17.86	19.64	21.83	24.55	28.06	32.74	39.29
PERCENT	YIELD	UNIT	<i>Dollars</i>										
50	53.5	101b	-1293 -1401	-1243 -1351	-1186 -1293	-1118 -1226	-1039 -1146	-943 -1051	-826 -934	-680 -788	-493 -600	-242 -350	107 0
60	64.2	101b	-1153 -1261	-1093 -1201	-1024 -1132	-943 -1051	-848 -955	-733 -840	-593 -700	-418 -525	-192 -300	107 0	528 420
70	74.9	101b	-1013 -1121	-943 -1051	-862 -970	-768 -875	-656 -764	-523 -630	-359 -467	-155 -262	107 0	457 350	948 840
80	85.6	101b	-873 -981	-793 -900	-701 -808	-593 -700	-465 -573	-312 -420	-126 -233	107 0	407 300	808 700	1368 1261
90	96.3	101b	-733 -840	-643 -750	-539 -646	-418 -525	-274 -382	-102 -210	107 0	370 262	708 600	1158 1051	1789 1681
100	107	101b	-593 -700	-493 -600	-377 -485	-242 -350	-83 -191	107 0	341 233	633 525	1008 900	1509 1401	2209 2102
110	117.7	101b	-453 -560	-342 -450	-215 -323	-67 -175	107 0	317 210	574 467	895 788	1308 1201	1859 1751	2630 2522
120	128.4	101b	-312 -420	-192 -300	-54 -161	107 0	298 191	528 420	808 700	1158 1051	1609 1501	2209 2102	3050 2943
130	139.1	101b	-172 -280	-42 -150	107 0	282 175	489 382	738 630	1041 934	1421 1313	1909 1801	2560 2452	3471 3363
140	149.8	101b	-32 -140	107 0	269 161	457 350	680 573	948 840	1275 1167	1684 1576	2209 2102	2910 2803	3891 3784
150	160.5	101b	107 0	257 150	430 323	633 525	872 764	1158 1051	1509 1401	1947 1839	2510 2402	3260 3153	4312 4204

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 last year's input prices.