

Table 17.A: Estimated costs per acre
Lima/Butter Beans - Mechanical Harvest
Alabama - MALTA, 2005

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
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	_____
FUNGICIDE					
Kocide DF	lb	2.18	4.4000	9.59	_____
HERBICIDE					
Treflan HFP	pt	3.19	1.5000	4.79	_____
INSECTICIDE					
Diazinon 50W	lb.	4.53	1.0000	4.53	_____
Sevin XLR Plus	qt	4.61	3.0000	13.83	_____
SEED/PLANTS					
Lima Bean-OP	lb	26.15	30.0000	784.50	_____
OPERATOR LABOR					
Tractors	hour	9.82	9.4689	92.96	_____
HAND LABOR					
Implements	hour	6.44	10.9786	70.69	_____
Labor Bean Trailer					
Special Labor	hour	6.44	3.5800	23.06	_____
Grd Labor Lima Beans					
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	_____
DIESEL FUEL					
Tractors	gal	1.34	36.5541	48.97	_____
REPAIR & MAINTENANCE					
Implements	acre	83.85	1.0000	83.85	_____
Tractors	acre	8.14	1.0000	8.14	_____
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	14.95	1.0000	14.95	_____
TOTAL DIRECT EXPENSES				1320.35	_____
FIXED EXPENSES					
Implements	acre	116.64	1.0000	116.64	_____
Tractors	acre	50.64	1.0000	50.64	_____
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	_____
TOTAL FIXED EXPENSES				178.40	_____
TOTAL SPECIFIED EXPENSES				1498.75	_____

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

Table 17.B: Estimated resource use and costs for field operations, per acre
 Lima / Butter Beans - Mechanical Harvest
 Alabama - MALTA, 2005

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	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
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	Jun	21.54	19.10	37.29	29.30	10.71	81.07				188.30
Trailor-Lima/B. Bean		2WD 75 hp	3.571	1.00	Jun	21.54	19.10	1.93	3.36	7.14	58.07				104.00
Labor Bean Trailer	hour														23.06
Sheller Lima Beans	each			1.00	Jun						5.59				5.59
Application 1	acre			1.00	Jun			0.22		9.00	57.96				58.18
R.B.Convey LimaBeans	each			1.00	Jun						2.68				2.68
Rot.PakTable L-Beans	each			1.00	Jun						2.14				2.14
Application 1	acre			1.00	Jun			0.12		5.00	32.20				32.32
Bag Sealer LimaBeans	each			1.00	Jun						0.71				0.71
Application 1	acre			1.00	Jun			0.49		0.12	0.77				1.26
TOTALS						57.11	50.64	84.68	127.76	38.14	277.64			885.97	1483.80
INTEREST ON OPERATING CAPITAL															14.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															1498.75

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

Table 17.C: Breakeven price above total expenses and net returns for price/yield combinations, per acre
Lima / Butter Beans - Mechanical Harvest, Alabama - MALTA, 2005

			BREAKEVEN PRICE										
Lima/Butter Beans			15.37	16.46	17.73	19.21	20.96	23.05	25.61	28.82	32.93	38.42	46.11
PERCENT	YIELD	UNIT	dollars										
50	32.5	10lb	-820 -999	-785 -963	-743 -922	-695 -874	-639 -817	-570 -749	-487 -666	-383 -562	-249 -428	-71 -249	178 0
60	39	10lb	-720 -899	-678 -856	-628 -807	-570 -749	-502 -681	-421 -599	-321 -499	-196 -374	-35 -214	178 0	478 299
70	45.5	10lb	-620 -799	-570 -749	-513 -691	-446 -624	-366 -545	-271 -449	-154 -333	-8 -187	178 0	428 249	777 599
80	52	10lb	-521 -699	-463 -642	-398 -576	-321 -499	-230 -408	-121 -299	11 -166	178 0	392 214	677 499	1077 899
90	58.5	10lb	-421 -599	-356 -535	-282 -461	-196 -374	-94 -272	28 -149	178 0	365 187	606 428	927 749	1377 1199
100	65	10lb	-321 -499	-249 -428	-167 -345	-71 -249	42 -136	178 0	344 166	553 374	820 642	1177 999	1677 1498
110	71.5	10lb	-221 -399	-142 -321	-52 -230	53 -124	178 0	328 149	511 333	740 562	1034 856	1427 1248	1976 1798
120	78	10lb	-121 -299	-35 -214	63 -115	178 0	314 136	478 299	677 499	927 749	1248 1070	1677 1498	2276 2098
130	84.5	10lb	-21 -199	71 -107	178 0	303 124	450 272	628 449	844 666	1115 936	1463 1284	1926 1748	2576 2398
140	91	10lb	78 -99	178 0	293 115	428 249	587 408	777 599	1011 832	1302 1124	1677 1498	2176 1998	2876 2697
150	97.5	10lb	178 0	285 107	408 230	553 374	723 545	927 749	1177 999	1489 1311	1891 1712	2426 2248	3175 2997

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.