



Table 13.E Summary of estimated costs and returns per acre
Southern peas, fresh market, mechanical harvest
Alabama, 2019

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
TOTAL INCOME				0.00	_____
DIRECT EXPENSES					
FERTILIZER	acre	89.91	1.0000	89.91	_____
HERBICIDE	acre	1.76	1.0000	1.76	_____
INSECTICIDE	acre	15.16	1.0000	15.16	_____
SEED/PLANTS	acre	40.00	1.0000	40.00	_____
OTHER	acre	31.50	1.0000	31.50	_____
Grd LaborPeas	hour	10.95	9.1000	99.65	_____
Hand Labor	hour	10.95	11.3112	123.86	_____
Operator Labor	hour	13.69	9.3679	128.23	_____
UNALLOCATED LABOR	hour	13.69	1.8735	25.65	_____
DIESEL FUEL	gal	2.70	36.1639	97.66	_____
REPAIR & MAINTENANCE	acre	124.47	1.0000	124.47	_____
INTEREST ON OP. CAP.	acre	4.98	1.0000	4.98	_____
TOTAL DIRECT EXPENSES				782.83	_____
RETURNS ABOVE DIRECT EXPENSES				-782.83	_____
TOTAL FIXED EXPENSES				206.63	_____
TOTAL SPECIFIED EXPENSES				989.46	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-989.46	_____

Note: Cost of production estimates based on 2018 input prices.

Table 13.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, mechanical harvest
 Alabama, 2019

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Hand Labor	hour			1.00	Jan					0.50	5.48				5.48
Soil Test	each												7.00		
Lime (Spread)	ton			0.33	Jan							0.4950	46.00	22.77	22.77
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	4.64	2.52	1.13	2.68	0.40	5.54				16.51
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.97	0.52	0.08	0.30	0.08	1.15				3.02
AMM Sulfate 33%	cwt											0.5000	22.50	11.25	11.25
Phosphorus(46% P205)	cwt											1.5600	18.75	29.25	29.25
Potash (60% K20)	cwt											1.2000	22.20	26.64	26.64
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	3.24	1.76	1.95	4.12	0.28	3.88				14.95
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	1.62	0.88	0.31	0.82	0.14	1.93				5.56
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	2.22	1.21	0.20	0.52	0.29	3.71				7.86
Treflan	pt											0.5000	3.52	1.76	1.76
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	2.59	1.41	17.41	27.68	0.22	3.10				52.19
Southern Peas - OP	lb											10.0000	4.00	40.00	40.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.81	1.53	10.08	17.49	0.24	3.36				35.27
Brigade 2EC	oz											6.0000	0.74	4.44	4.44
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.63	3.06	20.15	34.97	0.49	6.72				70.53
Mustang Max	oz											8.0000	1.34	10.72	10.72
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	1.78	0.97	0.33	0.87	0.15	2.12				6.07
Trailer-Southern Pea	16'	2WD 75 hp	3.571	1.00	May	40.92	22.23	2.17	3.63	7.14	88.00				156.95
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	40.92	22.23	60.06	42.90	10.71	127.10				293.21
Sacks - S Peas	each											75.0000	0.42	31.50	31.50
Sheller S. Peas	each			1.00	May				6.20			0.0200			6.20
64/10 lb bg S. Peas	acre							0.25		6.00	65.70	1.0000			65.95
R.B.Convey S. Peas	each			1.00	May				2.79			0.0200			2.79
Rot.Pk.Table S Peas	each			1.00	May				2.62			0.0200			2.62
Application 1	acre							0.15		3.00	32.85	1.0000			33.00
Bag Sealer S. Peas	each			1.00	May				0.72			0.0200			0.72
Application 1	acre							0.52		0.10	1.10	1.0000			1.62
TOTALS						107.34	58.32	114.79	148.31	29.77	351.74			178.33	958.83
INTEREST ON OPERATING CAPITAL															4.98
UNALLOCATED LABOR															25.65
TOTAL SPECIFIED COST															989.46

Note: Cost of production estimates based on 2018 input prices.



Table 13.L Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Southern peas, fresh market, mechanical harvest
 Alabama, 2019

			-----BREAKEVEN PRICE-----										
Southern Peas			10.30	11.04	11.89	12.88	14.05	15.46	17.17	19.32	22.08	25.76	30.92
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.00	101b	-453	-429	-402	-370	-333	-288	-233	-164	-76	41	206
			-659	-636	-608	-577	-539	-494	-439	-371	-282	-164	0
60	38.40	101b	-387	-358	-326	-288	-243	-189	-123	-40	65	206	404
			-593	-565	-532	-494	-449	-395	-329	-247	-141	0	197
70	44.80	101b	-321	-288	-250	-205	-153	-90	-13	82	206	371	602
			-527	-494	-456	-412	-359	-296	-219	-123	0	164	395
80	51.20	101b	-255	-217	-173	-123	-63	8	96	206	347	536	800
			-461	-424	-380	-329	-269	-197	-109	0	141	329	593
90	57.60	101b	-189	-146	-97	-40	26	107	206	330	489	701	998
			-395	-353	-304	-247	-179	-98	0	123	282	494	791
100	64.00	101b	-123	-76	-21	41	116	206	316	453	630	866	1196
			-329	-282	-228	-164	-89	0	109	247	424	659	989
110	70.40	101b	-57	-5	54	124	206	305	426	577	772	1031	1393
			-263	-212	-152	-82	0	98	219	371	565	824	1187
120	76.80	101b	8	65	130	206	296	404	536	701	913	1196	1591
			-197	-141	-76	0	89	197	329	494	706	989	1385
130	83.20	101b	74	135	206	289	386	503	646	825	1054	1361	1789
			-131	-70	0	82	179	296	439	618	848	1154	1583
140	89.60	101b	140	206	282	371	476	602	756	948	1196	1525	1987
			-65	0	76	164	269	395	549	742	989	1319	1781
150	96.00	101b	206	277	358	453	566	701	866	1072	1337	1690	2185
			0	70	152	247	359	494	659	865	1130	1484	1978

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 based on 2018 input prices.