

Table 17.A Summary of estimated costs per acre
 Sweet potatoes
 Alabama, MALTAG, 2007

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM	acre	117.77	1.0000	117.77	_____
FERTILIZER	acre	187.88	1.0000	187.88	_____
HERBICIDE	acre	45.83	1.0000	45.83	_____
INSECTICIDE	acre	56.43	1.0000	56.43	_____
SEED/PLANTS	acre	300.00	1.0000	300.00	_____
OTHER	acre	1772.60	1.0000	1772.60	_____
HAND LABOR	hour	8.00	6.1437	49.14	_____
OPERATOR LABOR	hour	9.41	10.3538	97.45	_____
SKID LOADER LABOR-2	hour	21.00	2.1800	45.78	_____
SWEET POTATO LABOR	hour	10.00	36.3333	363.33	_____
DIESEL FUEL	gal	2.41	31.9872	77.08	_____
GASOLINE	gal	2.87	3.1416	9.02	_____
LP GAS	cu ft	1.80	2.3754	4.28	_____
REPAIR & MAINTENANCE	acre	35.55	1.0000	35.55	_____
INTEREST ON OP. CAP.	acre	45.70	1.0000	45.70	_____

TOTAL DIRECT EXPENSES				3207.84	_____
TOTAL FIXED EXPENSES				175.61	_____

TOTAL SPECIFIED EXPENSES				3383.45	_____

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

Table 17.B Estimated resource use and costs for field operations, per acre
Sweet potatoes
Alabama, MALTAG, 2007

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-----			
Trapping	acre			1.00	Apr							1.0000	1.00	1.00	1.00
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	Apr	0.53	0.56	0.10	0.14	0.04	0.38				1.71
Glystar Plus	pt											2.0000	2.32	4.64	4.64
Disk Harrow	24 ft	MFWD 170	0.082	2.00	Apr	4.08	4.45	1.18	3.03	0.16	1.56				14.30
Chisel Plow Folding	16 ft	MFWD 170	0.116	1.00	Apr	2.88	3.14	0.45	0.98	0.11	1.10				8.55
Custom Apply Fert	acre			1.00	Apr							1.0000	8.50	8.50	8.50
Fert 5-20-30+S+B	cwt											7.5000	25.05	187.88	187.88
Lorsban 4E	pt											4.0000	4.29	17.16	17.16
Disk Bed (Hipper)	8R 40	MFWD 130	0.070	1.80	May	2.39	2.51	0.60	1.91	0.12	1.19				8.60
Disk Bed + Spray PD	8R-40	MFWD 130	0.070	0.20	May	0.27	0.28	0.07	0.21	0.01	0.13				0.96
K-Pam	Gal											1.6000	7.25	11.60	11.60
Trailer-Sweet Potato	16 ft	MFWD 130	0.598	1.00	May	11.29	11.83	4.39	9.15	0.59	5.63				42.29
Sweetpotato Plants	thous											12.0000	25.00	300.00	300.00
Trailer water	10 ft	MFWD 130	0.600	1.00	May	11.31	11.85	0.25	0.88	0.60	5.65				29.94
Plnt/Transplants	8R 42	MFWD 170	0.333	1.00	May	8.22	8.98	0.07	6.27	5.66	56.47				80.01
Crate Sweetpotato	each											2.0000	8.00	16.00	16.00
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	May	0.53	0.56	0.10	0.14	0.04	0.38				1.71
Command 3ME	pt											2.0000	12.06	24.12	24.12
Endosulfan 3E	pt											1.3400	3.75	5.03	5.03
Dual Magnum	pt											1.0000	12.75	12.75	12.75
Ditcher		MFWD 130	0.020	1.00	May	0.37	0.40	0.03	0.06	0.02	0.19				1.05
Scouting Sweetpotato	acre			1.00	May							1.0000	15.00	15.00	15.00
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	May	0.53	0.56	0.10	0.14	0.04	0.38				1.71
Capture 2EC	oz											3.2000	2.45	7.84	7.84
Cultivate	8R-42	MFWD 130	0.073	1.00	May	1.39	1.46	0.33	1.05	0.07	0.69				4.92
Ditcher		MFWD 130	0.020	1.00	May	0.37	0.40	0.03	0.06	0.02	0.19				1.05
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	Jun	0.53	0.56	0.10	0.14	0.04	0.38				1.71
PennCap-M	pt											2.0000	3.48	6.96	6.96
Cultivate	4R-38	MFWD 130	0.129	1.00	Jun	2.43	2.55	0.27	0.88	0.12	1.22				7.35
Ditcher		MFWD 130	0.020	1.00	Jun	0.37	0.40	0.03	0.06	0.02	0.19				1.05
Spray (Broadcast)	60 ft	MFWD 130	0.028	0.50	Jul	0.27	0.28	0.05	0.07	0.02	0.19				0.86
Poast 1.53	pt											0.5000	8.64	4.32	4.32
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	Jul	0.53	0.56	0.10	0.14	0.04	0.38				1.71
Capture 2EC	oz											3.2000	2.45	7.84	7.84
Hand Weeding Swt.Pot	acre			1.00	Jul							1.0000	20.00	20.00	20.00
Stalk Shredder-Flail	15 ft	MFWD 130	0.110	1.00	Sep	2.09	2.19	0.33	1.13	0.11	1.04				6.78
Trailer-Sweet Potato	16 ft	MFWD 130	0.598	1.00	Sep	11.29	11.83	4.39	9.15	0.59	5.63				42.29
SWEET POTATO LABOR	hour									1.00	10.00				10.00
Truck	1/2 ton		2.310	1.00	Sep	10.88	12.35			2.31	21.74				44.97
Truck	1 ton +		1.730	1.00	Sep	4.06	15.06			1.73	16.28				35.40
Harvester, Swt. Potato	2-Row	MFWD 170	1.011	1.00	Sep	24.94	27.23	5.88	11.16	7.07	58.04				127.25
SWEET POTATO LABOR	hour									30.00	300.00				300.00
Bin Repair	each											2.0000	60.00	120.00	120.00
Custom Skid Loader				1.00	Sep										
SKID LOADER LABOR-2	hour									2.18	45.78				45.78

Custom Skid Loader-2 acre									1.0000	13.63	13.63	13.63
Fuel Skid Loader (2) acre									1.0000	9.64	9.64	9.64
Fork Lift	2.220	1.00	Sep	5.53	8.87		2.22	20.89				35.29
Custom Haul Swt. Pot acre		1.00	Sep						1.0000	70.00	70.00	70.00
Storage Sweetpotato cwt		1.00	Sep						112.0000	2.00	224.00	224.00
Clean, grade, pack box		1.00	Sep						330.0000	2.00	660.00	660.00
Box Sweetpotato each									330.0000	1.22	402.60	402.60
Broker Sweetpotato box		1.00	Sep						330.0000	1.00	330.00	330.00
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TOTALS				107.08	128.86	18.85	46.75	55.01			2480.51	3337.75
INTEREST ON OPERATING CAPITAL												45.70
UNALLOCATED LABOR												0.00
TOTAL SPECIFIED COST												3383.45

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

Table 17.C Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Sweet potatoes
 Alabama, MALTAG, 2007

			-----BREAKEVEN PRICE-----										
Sweet Potatoes			8.21	8.65	9.16	9.74	10.44	11.27	12.29	13.57	15.21	17.39	20.45
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	40lb	-1659	-1593	-1518	-1429	-1325	-1200	-1047	-856	-610	-283	175
			-1834	-1769	-1693	-1605	-1501	-1376	-1223	-1032	-786	-458	0
60	180.00	40lb	-1475	-1397	-1306	-1200	-1075	-925	-741	-512	-217	175	726
			-1651	-1572	-1482	-1376	-1251	-1100	-917	-688	-393	0	550
70	210.00	40lb	-1292	-1200	-1094	-971	-825	-650	-436	-168	175	634	1276
			-1467	-1376	-1270	-1146	-1000	-825	-611	-344	0	458	1100
80	240.00	40lb	-1108	-1003	-883	-741	-575	-374	-130	175	568	1093	1827
			-1284	-1179	-1058	-917	-750	-550	-305	0	393	917	1651
90	270.00	40lb	-925	-807	-671	-512	-324	-99	175	519	962	1551	2377
			-1100	-983	-846	-688	-500	-275	0	344	786	1376	2201
100	300.00	40lb	-741	-610	-459	-283	-74	175	481	863	1355	2010	2928
			-917	-786	-635	-458	-250	0	305	688	1179	1834	2752
110	330.00	40lb	-558	-414	-247	-53	175	450	787	1207	1748	2469	3478
			-733	-589	-423	-229	0	275	611	1032	1572	2293	3302
120	360.00	40lb	-374	-217	-36	175	425	726	1093	1551	2141	2928	4028
			-550	-393	-211	0	250	550	917	1376	1966	2752	3853
130	390.00	40lb	-191	-20	175	404	676	1001	1398	1895	2534	3386	4579
			-366	-196	0	229	500	825	1223	1720	2359	3211	4403
140	420.00	40lb	-7	175	387	634	926	1276	1704	2239	2928	3845	5129
			-183	0	211	458	750	1100	1529	2064	2752	3669	4954
150	450.00	40lb	175	372	599	863	1176	1551	2010	2583	3321	4304	5680
			0	196	423	688	1000	1376	1834	2408	3145	4128	5504

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.