

Table 10.A: Estimated costs per acre  
Sweet Potatoes, Alabama - MALTA, 2005

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Trapping	acre	0.50	1.0000	0.50	_____
Custom Apply Fert	acre	5.00	4.0000	20.00	_____
FERTILIZER					
Fert 5-20-30+S+B	cwt	20.42	10.0000	204.20	_____
HERBICIDE					
*no04\$ Roundup Ultra	oz	0.36	16.0000	5.76	_____
Command 3ME	pt	10.36	2.0000	20.72	_____
Poast 1.53	pt	8.38	1.0000	8.38	_____
INSECTICIDE					
Lorsban 4E	pt	4.77	4.0000	19.08	_____
Endosulfan 3E	pt	3.37	2.0000	6.74	_____
Imidan 70 WSB	lb	7.45	2.6000	19.37	_____
Pennacap-M	pt	3.47	4.0000	13.88	_____
Spintor	oz	4.30	6.0000	25.80	_____
SEED/PLANTS					
Sweet Potato Plants	thous	21.00	11.0000	231.00	_____
OTHER					
Crate Sweet Potato	each	6.00	2.0000	12.00	_____
Bin Sweet Potato	each	50.00	2.0000	100.00	_____
Storage Sweet Potato	cwt	1.00	112.0000	112.00	_____
Clean, grade, pack	box	1.75	330.0000	577.50	_____
Box Sweet Potato	each	1.20	330.0000	396.00	_____
Broker Sweet Potato	box	1.00	330.0000	330.00	_____
OPERATOR LABOR					
Tractors	hour	9.82	4.9965	49.10	_____
Self-Propelled	hour	9.82	4.0000	39.28	_____
Harvest Labor					
Special Labor	hour	6.44	25.0000	161.00	_____
PLANTING LABOR					
Special Labor	hour	6.44	15.0000	96.60	_____
HAND LABOR					
Implements	hour	6.44	12.4730	80.32	_____
DIESEL FUEL					
Tractors	gal	1.34	15.0447	20.20	_____
GASOLINE					
Self-Propelled	gal	1.78	11.4000	20.30	_____
REPAIR & MAINTENANCE					
Implements	acre	10.35	1.0000	10.35	_____
Tractors	acre	3.35	1.0000	3.35	_____
Self-Propelled	acre	8.98	1.0000	8.98	_____
INTEREST ON OP. CAP.	acre	26.82	1.0000	26.82	_____
TOTAL DIRECT EXPENSES				2619.24	_____
FIXED EXPENSES					
Implements	acre	31.93	1.0000	31.93	_____
Tractors	acre	20.64	1.0000	20.64	_____
Self-Propelled	acre	26.10	1.0000	26.10	_____
TOTAL FIXED EXPENSES				78.67	_____
TOTAL SPECIFIED EXPENSES				2697.91	_____

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

Table 10.B: Estimated resource use and costs for field operations, per acre  
 Sweet Potatoes  
 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-----			
Trapping	acre			1.00	Apr							1.0000	0.50	0.50	0.50
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Apr	0.26	0.22	0.15	0.19	0.09	0.82				1.64
*no04\$ Roundup Ultra	oz											16.0000	0.36	5.76	5.76
Disk Harrow	14 Ft	2WD 50 hp	0.141	2.00	Apr	1.14	0.99	1.04	2.28	0.28	2.78				8.23
Custom Apply Fert	acre			1.00	Apr							4.0000	5.00	20.00	20.00
Fert 5-20-30+S+B	cwt											10.0000	20.42	204.20	204.20
Lorsban 4E	pt											4.0000	4.77	19.08	19.08
Disk Bed	4-Row	2WD 50 hp	0.140	2.00	May	1.13	0.99	0.31	0.84	0.28	2.77				6.04
Trailer utility	10 ft	2WD 50 hp	0.600	1.00	May	2.41	2.10	0.25	0.86	0.60	5.89				11.51
Sweetpotato Plants	thous											11.0000	21.00	231.00	231.00
Trailer water	10 ft	2WD 50 hp	0.600	1.00	May	2.41	2.10	0.58	1.74	0.60	5.89				12.72
Plnt/Transplants	4R 36-48"	2WD 75 hp	0.687	1.00	May	4.15	3.68	0.16	12.40	6.87	46.60				66.99
PLANTING LABOR	hour									15.00	96.60				96.60
Crate Sweetpotato	each											2.0000	6.00	12.00	12.00
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.26	0.22	0.15	0.19	0.09	0.82				1.64
Command 3ME	pt											2.0000	10.36	20.72	20.72
Endosulfan 3E	pt											2.0000	3.37	6.74	6.74
Ditcher		2WD 50 hp	0.020	1.00	May	0.08	0.07	0.02	0.03	0.02	0.20				0.40
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.26	0.22	0.15	0.19	0.09	0.82				1.64
Imidan 70 WSB	lb											1.3000	7.45	9.69	9.69
Cultivate (Early)	4R-40	2WD 50 hp	0.193	1.00	May	0.78	0.68	0.29	0.79	0.19	1.90				4.44
Ditcher		2WD 50 hp	0.020	1.00	May	0.08	0.07	0.02	0.03	0.02	0.20				0.40
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.26	0.22	0.15	0.19	0.09	0.82				1.64
Pennacap-M	pt											2.0000	3.47	6.94	6.94
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.26	0.22	0.15	0.19	0.09	0.82				1.64
Imidan 70 WSB	lb											1.3000	7.45	9.69	9.69
Cultivate (Late)	4R-40	2WD 50 hp	0.129	1.00	Jun	0.52	0.45	0.19	0.53	0.12	1.27				2.96
Ditcher		2WD 50 hp	0.020	1.00	Jun	0.08	0.07	0.02	0.03	0.02	0.20				0.40
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.26	0.22	0.15	0.19	0.09	0.82				1.64
Pennacap-M	pt											2.0000	3.47	6.94	6.94
Poast 1.53	pt											1.0000	8.38	8.38	8.38
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.26	0.22	0.15	0.19	0.09	0.82				1.64
Spintor	oz											6.0000	4.30	25.80	25.80
Stalk Shredder-Flail	15 ft	2WD 50 hp	0.110	1.00	Sep	0.44	0.39	0.29	0.89	0.11	1.09				3.10
Trailer utility	10 ft	2WD 50 hp	0.600	1.00	Sep	2.41	2.10	0.25	0.86	0.60	5.89				11.51
Harvest Labor	hour									1.00	6.44				6.44
Truck	1/2 ton		1.000	1.00	Sep	7.57	7.49			1.00	9.82				24.88
Truck	1 ton +		1.000	1.00	Sep	8.77	6.88			1.00	9.82				25.47
Harvester, Swt. Potato	2-Row	2WD 75 hp	1.011	1.00	Sep	6.10	5.41	5.88	9.32	7.07	49.00				75.71
Harvest Labor	hour									24.00	154.56				154.56
Bin Sweetpotato	each											2.0000	50.00	100.00	100.00
Fork Lift			1.000	1.00	Sep	4.17	4.85			1.00	9.82				18.84
Truck	1 ton +		1.000	1.00	Sep	8.77	6.88			1.00	9.82				25.47
Storage Sweetpotato	cwt			1.00	Sep							112.0000	1.00	112.00	112.00
Clean, grade, pack	box			1.00	Sep							330.0000	1.75	577.50	577.50
Box Sweetpotato	each											330.0000	1.20	396.00	396.00
Broker Sweetpotato	box			1.00	Sep							330.0000	1.00	330.00	330.00
TOTALS						52.83	46.74	10.35	31.93	61.46	426.30			2102.94	2671.09

INTEREST ON OPERATING CAPITAL	26.82
UNALLOCATED LABOR	0.00
TOTAL SPECIFIED COST	2697.91

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

Table 10.C: Breakeven price above total expenses and net returns for price/yield combinations, per acre  
Sweet Potatoes, Alabama - MALTA, 2005

			BREAKEVEN PRICE										
Sweet Potatoes			6.12	6.53	7	7.55	8.2	8.99	9.95	11.14	12.68	14.73	17.61
PERCENT	YIELD	UNIT	<i>dollars</i>										
50	150	401b	-1644	-1583	-1512	-1429	-1331	-1214	-1070	-890	-660	-352	78
			-1723	-1662	-1591	-1508	-1410	-1292	-1149	-969	-738	-430	0
60	180	401b	-1472	-1398	-1313	-1214	-1096	-955	-783	-567	-290	78	595
			-1551	-1477	-1392	-1292	-1175	-1034	-861	-646	-369	0	517
70	210	401b	-1300	-1214	-1114	-998	-861	-696	-495	-244	78	509	1112
			-1378	-1292	-1193	-1077	-940	-775	-574	-323	0	430	1034
80	240	401b	-1127	-1029	-915	-783	-626	-438	-208	78	448	940	1629
			-1206	-1108	-994	-861	-705	-517	-287	0	369	861	1551
90	270	401b	-955	-844	-716	-567	-391	-179	78	401	817	1371	2146
			-1034	-923	-795	-646	-470	-258	0	323	738	1292	2068
100	300	401b	-783	-660	-517	-352	-156	78	365	725	1186	1802	2664
			-861	-738	-596	-430	-235	0	287	646	1108	1723	2585
110	330	401b	-610	-475	-319	-136	78	337	653	1048	1556	2233	3181
			-689	-554	-397	-215	0	258	574	969	1477	2154	3102
120	360	401b	-438	-290	-120	78	313	595	940	1371	1925	2664	3698
			-517	-369	-198	0	235	517	861	1292	1846	2585	3619
130	390	401b	-266	-106	78	294	548	854	1227	1694	2294	3094	4215
			-344	-184	0	215	470	775	1149	1615	2216	3016	4136
140	420	401b	-93	78	277	509	783	1112	1515	2017	2664	3525	4732
			-172	0	198	430	705	1034	1436	1939	2585	3447	4653
150	450	401b	78	263	476	725	1018	1371	1802	2340	3033	3956	5249
			0	184	397	646	940	1292	1723	2262	2954	3878	5170

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.