

Table 46.A Summary of estimated costs per acre
 Muscadine, Irrigated
 Year 1, establish. yr., 20ft spac., 10gpm, 2,178 row ft,
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	120.00	1.0000	120.00	_____
FUNGICIDE	acre	10.23	1.0000	10.23	_____
HERBICIDE	acre	42.98	1.0000	42.98	_____
INSECTICIDE	acre	10.72	1.0000	10.72	_____
OTHER	acre	462.16	1.0000	462.16	_____
FRUIT / NUT	acre	4947.42	1.0000	4947.42	_____
IRRIGATION SUPPLIES	acre	7.98	1.0000	7.98	_____
Hand Labor	hour	8.28	144.1313	1193.41	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	12.2003	124.59	_____
UNALLOCATED LABOR	hour	10.21	2.4400	24.92	_____
DIESEL FUEL	gal	2.41	23.6779	57.05	_____
GASOLINE	gal	2.83	1.7999	5.09	_____
REPAIR & MAINTENANCE	acre	22.38	1.0000	22.38	_____
INTEREST ON OP. CAP.	acre	411.11	1.0000	411.11	_____

TOTAL DIRECT EXPENSES				7651.18	_____
TOTAL FIXED EXPENSES				95.24	_____

TOTAL SPECIFIED EXPENSES				7746.42	_____

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

Table 46.B Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 1, establish. yr., 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Mark of Rows				1.00	Feb											
Hand Labor	hour									1.00	8.28					8.28
Hand Labor	hour			1.00	Feb					0.60	4.97					4.97
Soil Test	each											1.0000	6.00	6.00		6.00
Lime (Spread)	ton			1.00	Feb							3.0000	32.00	96.00		96.00
Sub-Soiler	1 shank	MFWD 50 hp	1.078	3.00	Feb	22.44	17.75	0.95	3.11	3.23	33.03					77.28
Chisel Plow	9 Ft	MFWD 50 hp	0.220	1.00	Feb	1.53	1.21	0.53	1.18	0.22	2.25					6.70
Disk Harrow	10 Ft	MFWD 50 hp	0.198	1.00	Feb	1.38	1.09	0.58	1.53	0.19	2.02					6.60
Planting				1.00	Feb											
Trailer utility	10 ft	MFWD 50 hp	0.600			4.16	3.29	0.08	0.37	0.60	6.13					14.03
Hand Labor	hour									4.50	37.26					37.26
Muscadine Vine	each											181.0000	7.75	1402.75		1402.75
Bamboo Stakes	each											181.0000	0.30	54.30		54.30
Bldg Trellis Grapes				1.00	Mar											
Trailer utility	10 ft	2WD 50 hp	0.600			4.25	3.94	0.08	0.37	0.60	6.13					14.77
Hand Labor	hour									60.00	496.80					496.80
Grape Trellis Inputs				1.00	Mar											
End Post Wine Grapes	each											24.0000	22.00	528.00		528.00
Wood Post 3" x 7'	each											216.0000	3.00	648.00		648.00
Wire - Wine Grape	ft											3720.0000	0.01	73.47		73.47
Anchors	each											288.0000	6.65	1915.20		1915.20
Tighteners	each											24.0000	2.50	60.00		60.00
Bldg Trellis Grapes				1.00	Mar											
Wire Links - W.Grape	each											12.0000	2.15	25.80		25.80
Wire Vises - W.Grape	each											24.0000	1.65	39.60		39.60
End Post Anchors	each											24.0000	6.90	165.60		165.60
Set up Irrigation				1.00	Mar											
Irri. Setup 8' 12gpm	5445ft											1.0000	455.00	455.00		455.00
Utility Vechicle	4 x 4		0.249	1.00	Mar	0.63	1.62			0.25	2.55					4.80
Hand Labor	hour									1.00	8.28					8.28
Amm Nitrate (34%)	cwt											0.2500	16.00	4.00		4.00
Early Weed Control				1.00	Mar											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Prowl	qt											3.5000	6.20	21.70		21.70
Irrigate & Check				2.00	Apr											
Irrigation Labor	hour									2.00	16.56					16.56
1/2 of water needed	100gal											3.0000	0.28	0.84		0.84
Mow between Rows				1.00	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Side Dresser	1R 3ft	MFWD 50 hp	0.846	1.00	Apr	5.87	4.64	1.82	8.65	0.84	8.64					29.62

Table 46.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 1, establish. yr., 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00	16.00
Early Weed Control				1.00	Apr										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Fusilade DX	pt											0.7500	18.56	13.92	13.92
Surfactant Non Ionic	pt											0.7500	1.55	1.16	1.16
Irrigate & Check				3.00	May										
Irrigation Labor	hour									4.50	37.26				37.26
1/2 of water needed	100gal											4.5000	0.28	1.26	1.26
Mow between Rows				1.00	May										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train, Stake, & Tie				1.00	May										
Hand Labor	hour									30.00	248.40				248.40
Utility Vechicle	4 x 4		0.249	1.00	May	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.2500	16.00	4.00	4.00
Irrigate & Check				4.00	Jun										
Irrigation Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Jun										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train Vines				1.00	Jun										
Hand Labor	hour									38.00	314.64				314.64
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jun	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Malathion 57EC	pt											1.5000	3.57	5.36	5.36
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Jul										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Malathion 57EC	pt											1.5000	3.57	5.36	5.36
Weed and Clean				1.00	Jul										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Aug										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65

Table 46.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 1, establish. yr., 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Spray (Broadcast)	27'	MFWD 50 hp	0.062	1.00	Aug	0.44	0.34	0.15	0.23	0.09	0.90				2.06
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Irrigate & Check				2.00	Sep										
Irrigation Labor	hour									3.00	24.84				24.84
1/2 of water needed	100gal											3.0000	0.28	0.84	0.84
Mow between Rows				1.00	Sep										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
						-----		-----		-----		-----			
TOTALS						71.50	70.59	13.02	24.65	181.83	1529.14			5601.49	7310.39
INTEREST ON OPERATING CAPITAL															411.11
UNALLOCATED LABOR															24.92
TOTAL SPECIFIED COST															7746.42

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

Table 47.A Summary of estimated costs per acre
 Muscadine, Irrigated
 Year 2, 20ft spacing, 10gpm, 2,178 row ft,
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	162.10	1.0000	162.10	_____
HERBICIDE	acre	53.81	1.0000	53.81	_____
INSECTICIDE	acre	10.72	1.0000	10.72	_____
FRUIT / NUT	acre	69.75	1.0000	69.75	_____
IRRIGATION SUPPLIES	acre	11.62	1.0000	11.62	_____
Hand Labor	hour	8.28	62.0313	513.62	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	9.9192	101.32	_____
UNALLOCATED LABOR	hour	10.20	1.9838	20.25	_____
DIESEL FUEL	gal	2.41	12.6602	30.49	_____
GASOLINE	gal	2.83	2.9999	8.49	_____
REPAIR & MAINTENANCE	acre	20.24	1.0000	20.24	_____
INTEREST ON OP. CAP.	acre	56.00	1.0000	56.00	_____

TOTAL DIRECT EXPENSES				1269.55	_____
TOTAL FIXED EXPENSES				1093.02	_____

TOTAL SPECIFIED EXPENSES				2362.57	_____

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

Table 47.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 2, 20ft spacing, 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Jun											
Irrigation Labor	hour										8.00	66.24				66.24
1/2 of water needed	100gal												10.0000	0.28	2.80	2.80
Mow between Rows				1.00	Jun											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train Vines				1.00	Jun											
Hand Labor	hour										13.00	107.64				107.64
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jun		1.27	3.25	0.05	0.33	0.50	5.11				10.01
Malathion 57EC	pt												1.5000	3.57	5.36	5.36
Weed and Clean				1.00	Jun											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Jul											
Irrigation Labor	hour										8.00	66.24				66.24
1/2 of water needed	100gal												10.0000	0.28	2.80	2.80
Mow between Rows				1.00	Jul											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul		1.27	3.25	0.05	0.33	0.50	5.11				10.01
Malathion 57EC	pt												1.5000	3.57	5.36	5.36
Weed and Clean				1.00	Jul											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Aug											
Hand Labor	hour										8.00	66.24				66.24
1/2 of water needed	100gal												6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Aug											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Weed and Clean				1.00	Aug											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Irrigate & Check				2.00	Sep											
Irrigation Labor	hour										3.00	24.84				24.84
1/2 of water needed	100gal												3.0000	0.28	0.84	0.84
Mow between Rows				1.00	Sep											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Weed and Clean				1.00	Sep											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36

Table 47.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 2, 20ft spacing, 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Prorated Establish.	acre				Jan								1.0000		818.57
Irrigation	acre				Jan								1.0000		194.33
TOTALS						46.79	59.45	12.43	20.67	97.45	826.08			308.00	2286.32
INTEREST ON OPERATING CAPITAL															56.00
UNALLOCATED LABOR															20.25
TOTAL SPECIFIED COST															2362.57

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

Table 48.A Summary of estimated costs per acre
 Muscadine, Irrigated
 Year 3, (1,810lb yield), 20ft spac., 10gpm, 2,178 row ft,
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	72.00	1.0000	72.00	_____
HERBICIDE	acre	83.26	1.0000	83.26	_____
INSECTICIDE	acre	46.44	1.0000	46.44	_____
FRUIT / NUT	acre	641.75	1.0000	641.75	_____
IRRIGATION SUPPLIES	acre	17.08	1.0000	17.08	_____
Hand Labor	hour	8.28	72.0000	596.16	_____
Harvest Labor	hour	8.28	50.0000	414.00	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	14.3565	146.63	_____
UNALLOCATED LABOR	hour	10.20	2.8713	29.31	_____
DIESEL FUEL	gal	2.41	12.4989	30.10	_____
GASOLINE	gal	2.83	5.6999	16.13	_____
REPAIR & MAINTENANCE	acre	24.40	1.0000	24.40	_____
INTEREST ON OP. CAP.	acre	78.23	1.0000	78.23	_____

TOTAL DIRECT EXPENSES				2406.63	_____
TOTAL FIXED EXPENSES				1123.20	_____

TOTAL SPECIFIED EXPENSES				3529.83	_____

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

Table 48.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 3, (1,810lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train Vines				1.00	Jun											
Hand Labor	hour										10.00	82.80				82.80
Weed and Clean				1.00	Jun											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jun		1.27	3.25	0.05	0.33	0.50	5.11				10.01
Imidan 70 WSB	lb												2.0000	8.66	17.32	17.32
Irrigate & Check				4.00	Jul											
Irrigation Labor	hour										8.00	66.24				66.24
1/2 of water needed	100gal												16.0000	0.28	4.48	4.48
Mow between Rows				1.00	Jul											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul		1.27	3.25	0.05	0.33	0.50	5.11				10.01
Imidan 70 WSB	lb												2.0000	8.66	17.32	17.32
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul		1.27	3.25	0.05	0.33	0.50	5.11				10.01
Damitol 2.4EC	oz												10.0000	1.18	11.80	11.80
Weed and Clean				1.00	Jul											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Aug											
Hand Labor	hour										8.00	66.24				66.24
1/2 of water needed	100gal												6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Aug											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65
Weed and Clean				1.00	Aug											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt												2.0000	3.68	7.36	7.36
Harvest Muscadines				1.00	Aug											
Harvest Labor	hour										50.00	414.00				414.00
Muscadine (lug)	12lb												151.0000	4.25	641.75	641.75
Fruit to Field Edge				4.00	Aug											
Trailor Fruit 4'x6'	trip	4 x 4	1.000				10.15	26.02	0.53	1.15	4.00	40.84				78.69
Irrigate & Check				2.00	Sep											
Irrigation Labor	hour										3.00	24.84				24.84
1/2 of water needed	100gal												3.0000	0.28	0.84	0.84
Mow between Rows				1.00	Sep											
Rotary Cutter	6ft	MFWD 50 hp	0.572				3.97	3.14	1.43	1.26	0.57	5.85				15.65

Table 48.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 3, (1,810lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Weed and Clean				1.00	Sep										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Early Weed Control				1.00	Nov										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Solicam DF	lb											2.0000	19.55	39.10	39.10
Prorated Establish.	acre				Jan							1.0000			818.57
Irrigation	acre				Jan							1.0000			194.33
TOTALS						57.77	88.38	12.86	21.92	161.85	1367.93			860.53	3422.29
INTEREST ON OPERATING CAPITAL															78.23
UNALLOCATED LABOR															29.31
TOTAL SPECIFIED COST															3529.83

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

Table 48.C Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Muscadine, Irrigated
 Year 3, (1,810lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Muscadine Lug			17.03	17.93	18.98	20.20	21.64	23.37	25.49	28.13	31.53	36.06	42.40
PERCENT	YIELD	UNIT	-----dollars-----										
50	75.50	121b	-792	-724	-645	-553	-444	-313	-154	45	302	644	1123
			-1916	-1847	-1768	-1676	-1567	-1437	-1277	-1077	-821	-479	0
60	90.60	121b	-601	-519	-424	-313	-183	-26	165	404	712	1123	1698
			-1724	-1642	-1547	-1437	-1306	-1149	-958	-718	-410	0	574
70	105.70	121b	-409	-313	-203	-74	78	260	484	763	1123	1602	2272
			-1532	-1437	-1326	-1197	-1045	-862	-638	-359	0	479	1149
80	120.80	121b	-218	-108	17	165	339	548	803	1123	1533	2081	2847
			-1341	-1231	-1105	-958	-783	-574	-319	0	410	958	1724
90	135.90	121b	-26	96	238	404	600	835	1123	1482	1944	2560	3422
			-1149	-1026	-884	-718	-522	-287	0	359	821	1437	2299
100	151.00	121b	165	302	459	644	861	1123	1442	1841	2354	3039	3997
			-958	-821	-663	-479	-261	0	319	718	1231	1916	2874
110	166.10	121b	356	507	681	883	1123	1410	1761	2200	2765	3518	4572
			-766	-615	-442	-239	0	287	638	1077	1642	2395	3448
120	181.20	121b	548	712	902	1123	1384	1698	2081	2560	3176	3997	5146
			-574	-410	-221	0	261	574	958	1437	2052	2874	4023
130	196.30	121b	739	917	1123	1362	1645	1985	2400	2919	3586	4476	5721
			-383	-205	0	239	522	862	1277	1796	2463	3353	4598
140	211.40	121b	931	1123	1344	1602	1907	2272	2719	3278	3997	4955	6296
			-191	0	221	479	783	1149	1596	2155	2874	3832	5173
150	226.50	121b	1123	1328	1565	1841	2168	2560	3039	3637	4407	5434	6871
			0	205	442	718	1045	1437	1916	2514	3284	4311	5748

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.

Table 49.A Summary of estimated costs per acre
 Muscadine, Irrigated
 Year 4, (6,335lb yield), 20ft spac., 10gpm, 2,178 row ft,
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	88.00	1.0000	88.00	_____
HERBICIDE	acre	97.22	1.0000	97.22	_____
INSECTICIDE	acre	46.44	1.0000	46.44	_____
FRUIT / NUT	acre	2244.00	1.0000	2244.00	_____
IRRIGATION SUPPLIES	acre	17.08	1.0000	17.08	_____
Hand Labor	hour	8.28	133.0000	1101.24	_____
Harvest Labor	hour	8.28	616.0000	5100.48	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	24.3565	248.74	_____
UNALLOCATED LABOR	hour	10.20	4.8713	49.73	_____
DIESEL FUEL	gal	2.41	12.4989	30.10	_____
GASOLINE	gal	2.83	11.6999	33.11	_____
REPAIR & MAINTENANCE	acre	34.09	1.0000	34.09	_____
INTEREST ON OP. CAP.	acre	257.20	1.0000	257.20	_____

TOTAL DIRECT EXPENSES				9558.57	_____
TOTAL FIXED EXPENSES				1191.50	_____

TOTAL SPECIFIED EXPENSES				10750.07	_____

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

Table 49.B Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 4, (6,335lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Pruning & Training				1.00	Jan											
Hand Labor	hour									91.00	753.48					753.48
Mow between Rows				1.00	Jan											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Trellis repair Grape				1.00	Jan											
Hand Labor	hour									2.00	16.56					16.56
Utility Vehicle	4 x 4		0.249	1.00	Mar	0.63	1.62			0.25	2.55					4.80
Hand Labor	hour									1.00	8.28					8.28
Amm Nitrate (34%)	cwt											2.0000	16.00	32.00		32.00
Irrigate & Check				2.00	Apr											
Irrigation Labor	hour									2.00	16.56					16.56
1/2 of water needed	100gal											8.0000	0.28	2.24		2.24
Spot Spray				1.00	Apr											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Glyphomax	pt											2.0000	3.49	6.98		6.98
Mow between Rows				1.00	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Side Dresser	1R 3ft	MFWD 50 hp	0.846	1.00	Apr	5.87	4.64	1.82	8.65	0.84	8.64					29.62
Amm Nitrate (34%)	cwt											2.5000	16.00	40.00		40.00
Train Vines				1.00	Apr											
Hand Labor	hour									10.00	82.80					82.80
Weed and Clean				1.00	Apr											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Irrigate & Check				3.00	May											
Irrigation Labor	hour									4.50	37.26					37.26
1/2 of water needed	100gal											12.0000	0.28	3.36		3.36
Mow between Rows				1.00	May											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Train Vines				1.00	May											
Hand Labor	hour									10.00	82.80					82.80
Utility Vehicle	4 x 4		0.249	1.00	May	0.63	1.62			0.25	2.55					4.80
Hand Labor	hour									1.00	8.28					8.28
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00		16.00
Weed and Clean				1.00	May											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Irrigate & Check				4.00	Jun											
Irrigation Labor	hour									8.00	66.24					66.24

Table 49.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 4, (6,335lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
1/2 of water needed	100gal											16.0000	0.28	4.48	4.48
Mow between Rows				1.00	Jun										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train Vines				1.00	Jun										
Hand Labor	hour									10.00	82.80				82.80
Weed and Clean				1.00	Jun										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jun	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											16.0000	0.28	4.48	4.48
Mow between Rows				1.00	Jul										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Damitol 2.4EC	oz											10.0000	1.18	11.80	11.80
Weed and Clean				1.00	Jul										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Aug										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Harvest Muscadines				1.00	Aug										
Harvest Labor	hour									616.00	5100.48				5100.48
Muscadine (lug)	12lb											528.0000	4.25	2244.00	2244.00
Fruit to Field Edge				13.00	Aug										
Trallor Fruit 4'x6'	trip	4 x 4	1.000			32.98	84.57	1.73	3.74	13.00	132.73				255.75
Irrigate & Check				2.00	Sep										
Irrigation Labor	hour									3.00	24.84				24.84
1/2 of water needed	100gal											3.0000	0.28	0.84	0.84
Mow between Rows				1.00	Sep										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65

Table 49.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 4, (6,335lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Weed and Clean				1.00	Sep										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Spot Spray				1.00	Oct										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Glyphomax	pt											2.0000	3.49	6.98	6.98
Early Weed Control				1.00	Nov										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Solicam DF	lb											2.0000	19.55	39.10	39.10
Prorated Establish.	acre				Jan							1.0000			818.57
Irrigation	acre				Jan							1.0000			194.33
TOTALS						83.14	153.43	14.16	25.17	798.85	6661.60			2492.74	10443.14
INTEREST ON OPERATING CAPITAL															257.20
UNALLOCATED LABOR															49.73
TOTAL SPECIFIED COST															10750.07

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

Table 49.C Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Muscadine, Irrigated
 Year 4, (6,335lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Muscadine Lug			15.02	15.78	16.66	17.69	18.90	20.35	22.13	24.36	27.22	31.03	36.37
PERCENT	YIELD	UNIT	-----dollars-----										
50	264.00	121b	-4446	-4245	-4012	-3741	-3421	-3036	-2567	-1979	-1224	-217	1191
			-5637	-5436	-5204	-4933	-4612	-4228	-3758	-3171	-2416	-1409	0
60	316.80	121b	-3882	-3641	-3362	-3036	-2652	-2191	-1627	-922	-16	1191	2882
			-5074	-4832	-4553	-4228	-3844	-3382	-2818	-2114	-1208	0	1691
70	369.60	121b	-3318	-3036	-2711	-2332	-1883	-1345	-687	134	1191	2600	4574
			-4510	-4228	-3903	-3523	-3075	-2537	-1879	-1057	0	1409	3382
80	422.40	121b	-2755	-2432	-2061	-1627	-1114	-499	251	1191	2399	4010	6265
			-3946	-3624	-3252	-2818	-2306	-1691	-939	0	1208	2818	5074
90	475.20	121b	-2191	-1828	-1410	-922	-346	345	1191	2248	3607	5419	7957
			-3382	-3020	-2602	-2114	-1537	-845	0	1057	2416	4228	6765
100	528.00	121b	-1627	-1224	-760	-217	422	1191	2131	3305	4815	6829	9648
			-2818	-2416	-1951	-1409	-768	0	939	2114	3624	5637	8456
110	580.80	121b	-1063	-620	-109	486	1191	2037	3070	4362	6024	8238	11339
			-2255	-1812	-1301	-704	0	845	1879	3171	4832	7047	10148
120	633.60	121b	-499	-16	540	1191	1960	2882	4010	5419	7232	9648	13031
			-1691	-1208	-650	0	768	1691	2818	4228	6040	8456	11839
130	686.40	121b	63	587	1191	1896	2729	3728	4950	6477	8440	11057	14722
			-1127	-604	0	704	1537	2537	3758	5285	7248	9866	13531
140	739.20	121b	627	1191	1842	2600	3497	4574	5889	7534	9648	12467	16414
			-563	0	650	1409	2306	3382	4698	6342	8456	11275	15222
150	792.00	121b	1191	1795	2492	3305	4266	5419	6829	8591	10856	13876	18105
			0	604	1301	2114	3075	4228	5637	7399	9665	12685	16913

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.

Table 50.A Summary of estimated costs per acre
 Muscadine, Irrigated
 Year 5, (16,290lb yield), 20ft spac.,10gpm, 2,178 row ft,
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	88.00	1.0000	88.00	_____
HERBICIDE	acre	97.22	1.0000	97.22	_____
INSECTICIDE	acre	46.44	1.0000	46.44	_____
FRUIT / NUT	acre	5771.50	1.0000	5771.50	_____
IRRIGATION SUPPLIES	acre	17.08	1.0000	17.08	_____
Hand Labor	hour	8.28	133.0000	1101.24	_____
Harvest Labor	hour	8.28	4073.0000	33724.44	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	45.2107	461.67	_____
UNALLOCATED LABOR	hour	10.20	9.0421	92.31	_____
DIESEL FUEL	gal	2.41	12.1235	29.20	_____
GASOLINE	gal	2.83	24.2999	68.77	_____
REPAIR & MAINTENANCE	acre	51.66	1.0000	51.66	_____
INTEREST ON OP. CAP.	acre	967.02	1.0000	967.02	_____

TOTAL DIRECT EXPENSES				42727.69	_____
TOTAL FIXED EXPENSES				1331.50	_____

TOTAL SPECIFIED EXPENSES				44059.19	_____

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

Table 50.B Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 5, (16,290lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Prunning & Training				1.00	Jan										
Hand Labor	hour									91.00	753.48				753.48
Mow between Rows				1.00	Jan										
Sprayer (BC & Wand)	12 ft	MFWD 50 hp	0.500			3.47	2.74	0.05	0.33	0.50	5.11				11.70
Trellis repair Grape				1.00	Jan										
Hand Labor	hour									2.00	16.56				16.56
Utility Vechicle	4 x 4		0.249	1.00	Mar	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											2.0000	16.00	32.00	32.00
Irrigate & Check				2.00	Apr										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											8.0000	0.28	2.24	2.24
Spot Spray				1.00	Apr										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Glyphomax	pt											2.0000	3.49	6.98	6.98
Mow between Rows				1.00	Apr										
Sprayer (BC & Wand)	12 ft	MFWD 50 hp	0.500			3.47	2.74	0.05	0.33	0.50	5.11				11.70
Side Dresser	1R 3ft	MFWD 50 hp	0.846	1.00	Apr	5.87	4.64	1.82	8.65	0.84	8.64				29.62
Amm Nitrate (34%)	cwt											2.5000	16.00	40.00	40.00
Train Vines				1.00	Apr										
Hand Labor	hour									10.00	82.80				82.80
Weed and Clean				1.00	Apr										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Irrigate & Check				3.00	May										
Irrigation Labor	hour									4.50	37.26				37.26
1/2 of water needed	100gal											12.0000	0.28	3.36	3.36
Mow between Rows				1.00	May										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train Vines				1.00	May										
Hand Labor	hour									10.00	82.80				82.80
Utility Vechicle	4 x 4		0.249	1.00	May	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00	16.00
Weed and Clean				1.00	May										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Jun										
Irrigation Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											16.0000	0.28	4.48	4.48

Table 50.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 5, (16,290lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Mow between Rows				1.00	Jun											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Train Vines				1.00	Jun											
Hand Labor	hour									10.00	82.80					82.80
Weed and Clean				1.00	Jun											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jun	1.27	3.25	0.05	0.33	0.50	5.11					10.01
Imidan 70 WSB	lb											2.0000	8.66	17.32		17.32
Irrigate & Check				4.00	Jul											
Irrigation Labor	hour									8.00	66.24					66.24
1/2 of water needed	100gal											16.0000	0.28	4.48		4.48
Mow between Rows				1.00	Jul											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11					10.01
Imidan 70 WSB	lb											2.0000	8.66	17.32		17.32
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11					10.01
Damitol 2.4EC	oz											10.0000	1.18	11.80		11.80
Weed and Clean				1.00	Jul											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Irrigate & Check				4.00	Aug											
Hand Labor	hour									8.00	66.24					66.24
1/2 of water needed	100gal											6.0000	0.28	1.68		1.68
Mow between Rows				1.00	Aug											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Weed and Clean				1.00	Aug											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Harvest Muscadines				1.00	Aug											
Harvest Labor	hour									4073.0033724	4.4					33724.44
Muscadine (lug)	12lb											1358.0000	4.25	5771.50		5771.50
Fruit to Field Edge				34.00	Aug											
Trallor Fruit 4'x6'	trip	4 x 4	1.000			86.27	221.19	4.53	9.78	34.00	347.14					668.91
Irrigate & Check				2.00	Sep											
Irrigation Labor	hour									3.00	24.84					24.84
1/2 of water needed	100gal											3.0000	0.28	0.84		0.84
Mow between Rows				1.00	Sep											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.6

Table 50.B continued.. Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 5, (16,290lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Weed and Clean				1.00	Sep											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Spot Spray				1.00	Oct											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Glyphomax	pt											2.0000	3.49	6.98		6.98
Early Weed Control				1.00	Nov											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Solicam DF	lb											2.0000	19.55	39.10		39.10
Prorated Establish.	acre				Jan							1.0000				818.57
Irrigation	acre				Jan							1.0000				194.33
TOTALS						135.43	289.25	14.20	29.35	4276.71	35498.49			6020.24		42999.86
INTEREST ON OPERATING CAPITAL																967.02
UNALLOCATED LABOR																92.31
TOTAL SPECIFIED COST																44059.19

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

Table 50.C Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Muscadine, Irrigated
 Year 5, (16,290lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Muscadine Lug			23.07	24.41	25.95	27.76	29.88	32.44	35.56	39.46	44.48	51.17	60.54
PERCENT	YIELD	UNIT	-----dollars-----										
50	679.00	121b	-24109	-23200	-22152	-20929	-19483	-17749	-15629	-12979	-9571	-5028	1331
			-25440	-24532	-23483	-22260	-20815	-19080	-16960	-14310	-10903	-6360	0
60	814.80	121b	-21565	-20475	-19216	-17749	-16014	-13933	-11388	-8208	-4120	1331	8963
			-22896	-21806	-20548	-19080	-17346	-15264	-12720	-9540	-5451	0	7632
70	950.60	121b	-19021	-17749	-16281	-14569	-12545	-10116	-7148	-3438	1331	7691	16596
			-20352	-19080	-17612	-15900	-13876	-11448	-8480	-4770	0	6360	15264
80	1086.40	121b	-16477	-15023	-13345	-11388	-9076	-6300	-2908	1331	6783	14051	24228
			-17808	-16354	-14677	-12720	-10407	-7632	-4240	0	5451	12720	22896
90	1222.20	121b	-13933	-12297	-10410	-8208	-5606	-2484	1331	6101	12234	20412	31860
			-15264	-13629	-11741	-9540	-6938	-3816	0	4770	10903	19080	30529
100	1358.00	121b	-11388	-9571	-7474	-5028	-2137	1331	5571	10871	17686	26772	39492
			-12720	-10903	-8806	-6360	-3469	0	4240	9540	16354	25440	38161
110	1493.80	121b	-8844	-6845	-4539	-1848	1331	5147	9811	15642	23138	33132	47125
			-10176	-8177	-5870	-3180	0	3816	8480	14310	21806	31801	45793
120	1629.60	121b	-6300	-4120	-1603	1331	4800	8963	14051	20412	28589	39492	54757
			-7632	-5451	-2935	0	3469	7632	12720	19080	27258	38161	53426
130	1765.40	121b	-3756	-1394	1331	4511	8269	12779	18292	25182	34041	45853	62389
			-5088	-2725	0	3180	6938	11448	16960	23850	32709	44521	61058
140	1901.20	121b	-1212	1331	4266	7691	11739	16596	22532	29952	39492	52213	70022
			-2544	0	2935	6360	10407	15264	21200	28621	38161	50881	68690
150	2037.00	121b	1331	4057	7202	10871	15208	20412	26772	34722	44944	58573	77654
			0	2725	5870	9540	13876	19080	25440	33391	43613	57242	76322

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.

Table 51.A Summary of estimated costs per acre
 Muscadine, Irrigated
 Year 6, (21,720lb yield), 20ft spac.,10gpm, 2,178 row ft,
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	88.00	1.0000	88.00	_____
HERBICIDE	acre	97.22	1.0000	97.22	_____
INSECTICIDE	acre	46.44	1.0000	46.44	_____
FRUIT / NUT	acre	7692.50	1.0000	7692.50	_____
IRRIGATION SUPPLIES	acre	17.08	1.0000	17.08	_____
Hand Labor	hour	8.28	133.0000	1101.24	_____
Harvest Labor	hour	8.28	7240.0000	59947.20	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	56.3565	575.46	_____
UNALLOCATED LABOR	hour	10.20	11.2713	115.07	_____
DIESEL FUEL	gal	2.41	12.4989	30.10	_____
GASOLINE	gal	2.83	30.8999	87.45	_____
REPAIR & MAINTENANCE	acre	65.23	1.0000	65.23	_____
INTEREST ON OP. CAP.	acre	1586.61	1.0000	1586.61	_____

TOTAL DIRECT EXPENSES				71660.74	_____
TOTAL FIXED EXPENSES				1408.90	_____

TOTAL SPECIFIED EXPENSES				73069.64	_____

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

Table 51.B Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 6, (21,720lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----				
Prunning & Training				1.00	Jan											
Hand Labor	hour									91.00	753.48					753.48
Mow between Rows				1.00	Jan											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Trellis repair Grape				1.00	Jan											
Hand Labor	hour									2.00	16.56					16.56
Utility Vechicle	4 x 4		0.249	1.00	Mar	0.63	1.62			0.25	2.55					4.80
Hand Labor	hour									1.00	8.28					8.28
Amm Nitrate (34%)	cwt											2.0000	16.00	32.00		32.00
Irrigate & Check				2.00	Apr											
Irrigation Labor	hour									2.00	16.56					16.56
1/2 of water needed	100gal											8.0000	0.28	2.24		2.24
Spot Spray				1.00	Apr											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Glyphomax	pt											2.0000	3.49	6.98		6.98
Mow between Rows				1.00	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Side Dresser	1R 3ft	MFWD 50 hp	0.846	1.00	Apr	5.87	4.64	1.82	8.65	0.84	8.64					29.62
Amm Nitrate (34%)	cwt											2.5000	16.00	40.00		40.00
Train Vines				1.00	Apr											
Hand Labor	hour									10.00	82.80					82.80
Weed and Clean				1.00	Apr											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Irrigate & Check				3.00	May											
Irrigation Labor	hour									4.50	37.26					37.26
1/2 of water needed	100gal											12.0000	0.28	3.36		3.36
Mow between Rows				1.00	May											
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85					15.65
Train Vines				1.00	May											
Hand Labor	hour									10.00	82.80					82.80
Utility Vechicle	4 x 4		0.249	1.00	May	0.63	1.62			0.25	2.55					4.80
Hand Labor	hour									1.00	8.28					8.28
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00		16.00
Weed and Clean				1.00	May											
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11					10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36		7.36
Irrigate & Check				4.00	Jun											
Irrigation Labor	hour									8.00	66.24					66.24

Table 51.B Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 6, (21,720lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
1/2 of water needed	100gal											16.0000	0.28	4.48	4.48
Mow between Rows				1.00	Jun										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Train Vines				1.00	Jun										
Hand Labor	hour									10.00	82.80				82.80
Weed and Clean				1.00	Jun										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jun	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											16.0000	0.28	4.48	4.48
Mow between Rows				1.00	Jul										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Sprayer (BC & Wand)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Damitol 2.4EC	oz											10.0000	1.18	11.80	11.80
Weed and Clean				1.00	Jul										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
1/2 of water needed	100gal											6.0000	0.28	1.68	1.68
Mow between Rows				1.00	Aug										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Harvest Muscadines				1.00	Aug										
Harvest Labor	hour									7240.0059947.20					59947.20
Muscadine (lug)	12lb											1810.0000	4.25	7692.50	7692.50
Fruit to Field Edge				45.00	Aug										
Trailor Fruit 4'x6'	trip	4 x 4	1.000			114.19	292.76	6.00	12.95	45.00	459.45				885.35
Irrigate & Check				2.00	Sep										
Irrigation Labor	hour									3.00	24.84				24.84
1/2 of water needed	100gal											3.0000	0.28	0.84	0.84
Mow between Rows				1.00	Sep										
Rotary Cutter	6ft	MFWD 50 hp	0.572			3.97	3.14	1.43	1.26	0.57	5.85				15.65

Table 51.B Estimated resource use and costs for field operations, per acre
 Muscadine, Irrigated
 Year 6, (21,720lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

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-----			
Weed and Clean				1.00	Sep										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Gramoxone Inteon	pt											2.0000	3.68	7.36	7.36
Spot Spray				1.00	Oct										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Glyphomax	pt											2.0000	3.49	6.98	6.98
Early Weed Control				1.00	Nov										
Sprayer (BC & Wand)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Solicam DF	lb											2.0000	19.55	39.10	39.10
Prorated Establish.	acre				Jan							1.0000			818.57
Irrigation	acre				Jan							1.0000			194.33
TOTALS						164.35	361.62	18.43	34.38	7454.85	61835.04			7941.24	71367.96
INTEREST ON OPERATING CAPITAL															1586.61
UNALLOCATED LABOR															115.07
TOTAL SPECIFIED COST															73069.64

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

Table 51.C Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Muscadine, Irrigated
 Year 6, (21,720lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Muscadine Lug			28.36	30.07	32.05	34.36	37.09	40.36	44.37	49.37	55.81	64.38	76.39
PERCENT	YIELD	UNIT	-----dollars-----										
50	905.00	121b	-42063	-40511	-38719	-36629	-34159	-31195	-27572	-23044	-17222	-9459	1408
			-43472	-41919	-40128	-38038	-35568	-32604	-28981	-24453	-18631	-10868	0
60	1086.00	121b	-37716	-35853	-33703	-31195	-28231	-24674	-20327	-14893	-7906	1408	14450
			-39125	-37262	-35112	-32604	-29640	-26083	-21736	-16302	-9315	0	13041
70	1267.00	121b	-33369	-31195	-28687	-25761	-22303	-18153	-13081	-6742	1408	12277	27492
			-34778	-32604	-30096	-27170	-23712	-19562	-14490	-8151	0	10868	26083
80	1448.00	121b	-29021	-26537	-23671	-20327	-16375	-11632	-5836	1408	10724	23145	40534
			-30430	-27946	-25080	-21736	-17784	-13041	-7245	0	9315	21736	39125
90	1629.00	121b	-24674	-21879	-18655	-14893	-10447	-5111	1408	9560	20040	34013	53575
			-26083	-23288	-20064	-16302	-11856	-6520	0	8151	18631	32604	52167
100	1810.00	121b	-20327	-17222	-13639	-9459	-4519	1408	8654	17711	29355	44881	66617
			-21736	-18631	-15048	-10868	-5928	0	7245	16302	27946	43472	65208
110	1991.00	121b	-15980	-12564	-8623	-4025	1408	7929	15899	25862	38671	55749	79659
			-17389	-13973	-10032	-5434	0	6520	14490	24453	37262	54340	78250
120	2172.00	121b	-11632	-7906	-3607	1408	7336	14450	23145	34013	47986	66617	92701
			-13041	-9315	-5016	0	5928	13041	21736	32604	46577	65208	91292
130	2353.00	121b	-7285	-3248	1408	6842	13265	20971	30390	42164	57302	77485	105743
			-8694	-4657	0	5434	11856	19562	28981	40755	55893	76077	104334
140	2534.00	121b	-2938	1408	6424	12277	19193	27492	37636	50315	66617	88354	118784
			-4347	0	5016	10868	17784	26083	36227	48906	65208	86945	117375
150	2715.00	121b	1408	6066	11441	17711	25121	34013	44881	58466	75933	99222	131826
			0	4657	10032	16302	23712	32604	43472	57057	74524	97813	130417

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.