

Table 23.A Summary of estimated costs per acre  
 Wine Grape, Irrigated  
 Year 1, Prep Vineyard site, Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	161.70	1.0000	161.70	_____
SEED/PLANTS	acre	117.00	1.0000	117.00	_____
OTHER	acre	6.00	1.0000	6.00	_____
Hand Labor	hour	8.28	0.6000	4.97	_____
Operator Labor	hour	10.21	3.7381	38.16	_____
UNALLOCATED LABOR	hour	10.20	0.7476	7.63	_____
DIESEL FUEL	gal	2.41	9.6204	23.19	_____
REPAIR & MAINTENANCE	acre	5.38	1.0000	5.38	_____
INTEREST ON OP. CAP.	acre	12.37	1.0000	12.37	_____
				-----	
TOTAL DIRECT EXPENSES				376.40	_____
TOTAL FIXED EXPENSES				30.60	_____
				-----	
TOTAL SPECIFIED EXPENSES				407.00	_____

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

Table 23.B Estimated resource use and costs for field operations, per acre  
 Wine Grape, Irrigated  
 Year 1, Prep Vineyard site, 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-----				
Hand Labor	hour			1.00	Mar						0.60	4.97				4.97
Soil Test	each												1.0000	6.00	6.00	6.00
Lime (Spread)	ton			1.00	Mar								3.0000	32.00	96.00	96.00
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	Apr	0.59	0.55	0.05	0.23	0.08	0.86					2.28
Phosphorus(46% P205)	cwt												1.3000	14.00	18.20	18.20
Potash (60% K20)	cwt												1.5000	13.00	19.50	19.50
Amm Nitrate (34%)	cwt												1.7500	16.00	28.00	28.00
Sub-Soiler	1 shank	2WD 50 hp	1.078	3.00	Apr	22.91	21.25	0.95	3.11	3.23	33.03					81.25
Chisel Plow	9 Ft	2WD 50 hp	0.220	1.00	May	1.56	1.45	0.53	1.18	0.22	2.25					6.97
Disk Harrow	10 Ft	2WD 50 hp	0.198	1.00	May	1.40	1.30	0.58	1.53	0.19	2.02					6.83
Fescue Seed	lb			1.00	Sep								90.0000	1.30	117.00	117.00
TOTALS						26.46	24.55	2.11	6.05	4.33	43.13				284.70	387.00
INTEREST ON OPERATING CAPITAL																12.37
UNALLOCATED LABOR																7.63
TOTAL SPECIFIED COST																407.00

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

Table 24.A Summary of estimated costs per acre  
 Wine Grapes, Irrigated  
 Year 2, 12 ft spacing, 10gpm, 3,360 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	21.76	1.0000	21.76	_____
FUNGICIDE	acre	65.96	1.0000	65.96	_____
HERBICIDE	acre	86.20	1.0000	86.20	_____
INSECTICIDE	acre	38.88	1.0000	38.88	_____
FRUIT / NUT	acre	5626.49	1.0000	5626.49	_____
Hand Labor	hour	8.28	238.3447	1973.50	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	7.7677	79.32	_____
UNALLOCATED LABOR	hour	10.22	1.5535	15.88	_____
DIESEL FUEL	gal	2.41	17.4173	41.98	_____
GASOLINE	gal	2.83	0.5999	1.68	_____
REPAIR & MAINTENANCE	acre	16.49	1.0000	16.49	_____
INTEREST ON OP. CAP.	acre	456.90	1.0000	456.90	_____
				-----	
TOTAL DIRECT EXPENSES				8636.18	_____
TOTAL FIXED EXPENSES				352.98	_____
				-----	
TOTAL SPECIFIED EXPENSES				8989.16	_____

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



Table 24.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 2, 12 ft spacing, 10gpm, 3,360 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	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Train Vines				1.00	May										
Hand Labor	hour									38.00	314.64				314.64
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											0.2300	16.00	3.68	3.68
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											0.2300	16.00	3.68	3.68
Weeding with Hoe				1.00	May										
Hand Labor	hour									15.00	124.20				124.20
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Irrigate & Check				4.00	Jun										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jun										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Train Vines				1.00	Jun										
Hand Labor	hour									38.00	314.64				314.64
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Jun	0.63	1.63	0.03	0.16	0.25	2.55				5.00
Surflan AS	qt											3.0000	12.50	37.50	37.50
Gramoxone Max	pt											2.2000	5.09	11.20	11.20
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Malathion 5E	pt											3.0000	3.18	9.54	9.54
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jul										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Weeding with Hoe				1.00	Jul										
Hand Labor	hour									15.00	124.20				124.20
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.44	0.41	0.15	0.23	0.09	0.90				2.13

Table 24.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 2, 12 ft spacing, 10gpm, 3,360 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-----			
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Lorsban 4E	pt											4.5000	4.40	19.80	19.80
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Aug										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Aug	0.44	0.41	0.15	0.23	0.09	0.90				2.13
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
Mow between Rows				2.00	Sep										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Sep	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Oct	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Prorated Establish.	acre				Jan							1.0000			39.77
Irrigation	acre				Jan							1.0000			244.56
TOTALS						50.40	50.90	9.75	17.75	271.61	2263.96			5839.29	8516.38
INTEREST ON OPERATING CAPITAL															456.90
UNALLOCATED LABOR															15.88
TOTAL SPECIFIED COST															8989.16

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

Table 25.A Summary of estimated costs per acre  
 Wine Grapes, Irrigated  
 Year 3, 12 ft spacing, 10gpm, 3,360 row ft, Alabama, MALTAG  
 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	128.50	1.0000	128.50	_____
FUNGICIDE	acre	85.27	1.0000	85.27	_____
HERBICIDE	acre	97.34	1.0000	97.34	_____
INSECTICIDE	acre	38.88	1.0000	38.88	_____
FRUIT / NUT	acre	167.97	1.0000	167.97	_____
Hand Labor	hour	8.28	74.4074	616.10	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	4.4430	45.37	_____
UNALLOCATED LABOR	hour	10.22	0.8886	9.09	_____
DIESEL FUEL	gal	2.41	9.5044	22.92	_____
GASOLINE	gal	2.83	0.4500	1.26	_____
REPAIR & MAINTENANCE	acre	13.74	1.0000	13.74	_____
INTEREST ON OP. CAP.	acre	66.67	1.0000	66.67	_____
				-----	
TOTAL DIRECT EXPENSES				1504.25	_____
TOTAL FIXED EXPENSES				330.89	_____
				-----	
TOTAL SPECIFIED EXPENSES				1835.14	_____

Table 25.B Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 3, 12 ft spacing, 10gpm, 3,360 row ft, Alabama, MALTAG 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES		MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST	
			RATE	OVER		DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Pruning & Training				1.00	Jan											
Hand Labor	hour										23.00	190.44				190.44
Trellis repair Grape				1.00	Jan											
Hand Labor	hour										2.00	16.56				16.56
Replant Grapes				1.00	Feb											
Hand Labor	hour										2.00	16.56				16.56
Wine Grape Vines	each												9.0000	1.75	15.75	15.75
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Feb	0.44	0.41	0.15	0.23	0.09	0.90					2.13
Liquid Lime Sulfur	gal												10.0000	11.41	114.10	114.10
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Mar	0.63	1.63	0.03	0.16	0.25	2.55					5.00
Roundup Weathermax	pt												2.0000	5.57	11.14	11.14
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Mar	0.44	0.41	0.15	0.23	0.09	0.90					2.13
Dithane F-45	qt												1.1000	3.63	3.99	3.99
Nova 40W	oz												4.0000	3.83	15.32	15.32
Irrigate & Check				2.00	Apr											
Irrigation Labor	hour										2.00	16.56				16.56
Mow between Rows				2.00	Apr											
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46					9.98
Side Dresser	1R 3ft	2WD 50 hp	0.846	1.00	Apr	5.99	5.56	1.82	8.65	0.84	8.64					30.66
Amm Nitrate (34%)	cwt												0.9000	16.00	14.40	14.40
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Apr	0.63	1.63	0.03	0.16	0.25	2.55					5.00
Surflan AS	qt												3.0000	12.50	37.50	37.50
Train Vines				1.00	Apr											
Hand Labor	hour										13.00	107.64				107.64
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Apr	0.44	0.41	0.15	0.23	0.09	0.90					2.13
Dithane F-45	qt												1.1000	3.63	3.99	3.99
Nova 40W	oz												4.0000	3.83	15.32	15.32
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Apr	0.44	0.41	0.15	0.23	0.09	0.90					2.13
Dithane F-45	qt												1.1000	3.63	3.99	3.99
Malathion 5E	pt												3.0000	3.18	9.54	9.54
Elite 45DF	lb												0.2500	48.12	12.03	12.03
Irrigate & Check				3.00	May											
Irrigation Labor	hour										4.50	37.26				37.26
Mow between Rows				2.00	May											
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46					9.98
Train Vines				1.00	May											
Hand Labor	hour										13.00	107.64				107.64
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.44	0.41	0.15	0.23	0.09	0.90					2.13
Rovral 4F	pt												1.7500	19.83	34.70	34.70
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.44	0.41	0.15	0.23	0.09	0.90					2.13



Table 25.B continued... Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 3, 12 ft spacing, 10gpm, 3,360 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-----			
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Irrigate & Check				4.00	Jun										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jun										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Train Vines				1.00	Jun										
Hand Labor	hour									13.00	107.64				107.64
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Jun	0.63	1.63	0.03	0.16	0.25	2.55				5.00
Surflan AS	qt											3.0000	12.50	37.50	37.50
Gramoxone Max	pt											2.2000	5.09	11.20	11.20
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Malathion 5E	pt											3.0000	3.18	9.54	9.54
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jul										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Lorsban 4E	pt											4.5000	4.40	19.80	19.80
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Aug										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Aug	0.44	0.41	0.15	0.23	0.09	0.90				2.13
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
Mow between Rows				2.00	Sep										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Sep	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Dithane F-45	qt											1.1000	3.63	3.99	3.99

Table 25.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 3, 12 ft spacing, 10gpm, 3,360 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-----			
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Oct	0.44	0.41	0.15	0.23	0.09	0.90				2.13
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Prorated Establish.	acre				Jan							1.0000			39.77
Irrigation	acre				Jan							1.0000			244.56
TOTALS						28.00	29.10	9.92	17.46	104.35	872.61			517.96	1759.38
INTEREST ON OPERATING CAPITAL															66.67
UNALLOCATED LABOR															9.09
TOTAL SPECIFIED COST															1835.14

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

Table 26.A Summary of estimated costs per acre  
 Wine Grapes, Irrigated  
 Year 4, (3 ton yield), 12ft spacing, 10gpm, 3,360 row ft,  
 Alabama, Maltag 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	133.30	1.0000	133.30	_____
FUNGICIDE	acre	85.27	1.0000	85.27	_____
HERBICIDE	acre	97.34	1.0000	97.34	_____
INSECTICIDE	acre	38.88	1.0000	38.88	_____
FRUIT / NUT	acre	952.22	1.0000	952.22	_____
Hand Labor	hour	8.28	70.0000	579.60	_____
Harvest Labor	hour	8.28	51.0000	422.28	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	6.8202	69.68	_____
UNALLOCATED LABOR	hour	10.19	1.3640	13.90	_____
DIESEL FUEL	gal	2.41	15.6223	37.61	_____
GASOLINE	gal	2.83	0.4500	1.26	_____
REPAIR & MAINTENANCE	acre	141.79	1.0000	141.79	_____
INTEREST ON OP. CAP.	acre	98.84	1.0000	98.84	_____
				-----	
TOTAL DIRECT EXPENSES				2883.11	_____
TOTAL FIXED EXPENSES				631.06	_____
				-----	
TOTAL SPECIFIED EXPENSES				3514.17	_____

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



Table 26.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 4, (3 ton yield),12ft spacing, 10gpm, 3,360 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-----			
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jun										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Train Vines				1.00	Jun										
Hand Labor	hour									10.00	82.80				82.80
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Jun	0.63	1.63	0.03	0.16	0.25	2.55				5.00
Surflan AS	qt											3.0000	12.50	37.50	37.50
Gramoxone Max	pt											2.2000	5.09	11.20	11.20
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jun	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jun	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Malathion 5E	pt											3.0000	3.18	9.54	9.54
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jul										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jul	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jul	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Lorsban 4E	pt											4.5000	4.40	19.80	19.80
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Aug										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Aug	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Harvest Wine Grapes				1.00	Aug										
Harvest Labor	hour									51.00	422.28				422.28
Lugs (grapes)	each											200.0000	4.00	800.00	800.00
Irrigate & Check				2.00	Sep										
Irrigation Labor	hour									3.00	24.84				24.84
Mow between Rows				2.00	Sep										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Sep	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Dithane F-45	qt											1.1000	3.63	3.99	3.99

Table 26.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 4, (3 ton yield),12ft spacing, 10gpm, 3,360 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 Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Oct	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Prorated Establish.	acre				Jan							1.0000			39.77
Irrigation	acre				Jan							1.0000			244.56
TOTALS						44.90	44.70	135.76	302.03	153.32	1282.70			1307.01	3401.43
INTEREST ON OPERATING CAPITAL															98.84
UNALLOCATED LABOR															13.90
TOTAL SPECIFIED COST															3514.17

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

Table 26.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Wine Grapes, Irrigated  
 Year 4, (3 ton yield), 12ft spacing, 10gpm, 3,360 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Wine Grapes			871.76	914.56	963.95	1021.57	1089.67	1171.39	1271.26	1396.11	1556.62	1770.65	2070.28
PERCENT	YIELD	UNIT	-----dollars-----										
50	1.50	ton	-1166	-1102	-1028	-941	-839	-717	-567	-380	-139	181	631
			-1797	-1733	-1659	-1573	-1470	-1348	-1198	-1011	-770	-449	0
60	1.80	ton	-986	-909	-820	-717	-594	-447	-267	-43	245	631	1170
			-1618	-1540	-1452	-1348	-1225	-1078	-898	-674	-385	0	539
70	2.10	ton	-807	-717	-613	-492	-349	-177	31	293	631	1080	1709
			-1438	-1348	-1244	-1123	-980	-809	-599	-337	0	449	1078
80	2.40	ton	-627	-524	-406	-267	-104	91	331	631	1016	1529	2249
			-1258	-1155	-1037	-898	-735	-539	-299	0	385	898	1618
90	2.70	ton	-447	-332	-198	-43	140	361	631	968	1401	1979	2788
			-1078	-963	-829	-674	-490	-269	0	337	770	1348	2157
100	3.00	ton	-267	-139	8	181	385	631	930	1305	1786	2428	3327
			-898	-770	-622	-449	-245	0	299	674	1155	1797	2696
110	3.30	ton	-88	53	216	406	631	900	1230	1642	2172	2878	3867
			-719	-577	-414	-224	0	269	599	1011	1540	2247	3236
120	3.60	ton	91	245	423	631	876	1170	1529	1979	2557	3327	4406
			-539	-385	-207	0	245	539	898	1348	1926	2696	3775
130	3.90	ton	271	438	631	855	1121	1440	1829	2316	2942	3777	4945
			-359	-192	0	224	490	809	1198	1685	2311	3146	4314
140	4.20	ton	451	631	838	1080	1366	1709	2129	2653	3327	4226	5485
			-179	0	207	449	735	1078	1498	2022	2696	3595	4854
150	4.50	ton	631	823	1045	1305	1611	1979	2428	2990	3712	4676	6024
			0	192	414	674	980	1348	1797	2359	3081	4045	5393

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 27.A Summary of estimated costs per acre  
 Wine Grapes, Irrigated  
 Year 5, (4.5 ton yield), 12ft spac., 10gpm, 3,360 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	151.70	1.0000	151.70	_____
FUNGICIDE	acre	85.27	1.0000	85.27	_____
HERBICIDE	acre	110.66	1.0000	110.66	_____
INSECTICIDE	acre	38.88	1.0000	38.88	_____
FRUIT / NUT	acre	552.22	1.0000	552.22	_____
Hand Labor	hour	8.28	70.0000	579.60	_____
Harvest Labor	hour	8.28	76.0000	629.28	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	6.8202	69.68	_____
UNALLOCATED LABOR	hour	10.19	1.3640	13.90	_____
DIESEL FUEL	gal	2.41	15.6223	37.61	_____
GASOLINE	gal	2.83	0.4500	1.26	_____
REPAIR & MAINTENANCE	acre	141.79	1.0000	141.79	_____
INTEREST ON OP. CAP.	acre	96.05	1.0000	96.05	_____
				-----	
TOTAL DIRECT EXPENSES				2719.04	_____
TOTAL FIXED EXPENSES				631.06	_____
				-----	
TOTAL SPECIFIED EXPENSES				3350.10	_____

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





Table 27.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 5, (4.5 ton yield), 12ft spac., 10gpm, 3,360 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-----			
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jun										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Train Vines				1.00	Jun										
Hand Labor	hour									10.00	82.80				82.80
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Jun	0.63	1.63	0.03	0.16	0.25	2.55				5.00
Surflan AS	qt											3.0000	12.50	37.50	37.50
Gramoxone Max	pt											2.2000	5.09	11.20	11.20
Princep 4L	gal											0.7500	17.76	13.32	13.32
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jun	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jun	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Malathion 5E	pt											3.0000	3.18	9.54	9.54
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jul										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jul	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jul	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Lorsban 4E	pt											4.5000	4.40	19.80	19.80
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Aug										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Aug	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Harvest Wine Grapes				1.00	Aug										
Harvest Labor	hour									76.00	629.28				629.28
Lugs (grapes)	each											100.0000	4.00	400.00	400.00
Irrigate & Check				2.00	Sep										
Irrigation Labor	hour									3.00	24.84				24.84
Mow between Rows				2.00	Sep										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Sep	1.74	1.61	9.83	22.12	0.24	2.51				37.81

Table 27.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 5, (4.5 ton yield), 12ft spac., 10gpm, 3,360 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-----				
Dithane F-45	qt												1.1000	3.63	3.99	3.99
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Oct	1.74	1.61	9.83	22.12	0.24	2.51					37.81
Dithane F-45	qt												1.1000	3.63	3.99	3.99
Prorated Establish.	acre				Jan								1.0000			39.77
Irrigation	acre				Jan								1.0000			244.56
TOTALS						44.90	44.70	135.76	302.03	178.32	1489.70				938.73	3240.15
INTEREST ON OPERATING CAPITAL																96.05
UNALLOCATED LABOR																13.90
TOTAL SPECIFIED COST																3350.10

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

Table 27.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Wine Grapes, Irrigated  
 Year 5, (4.5 ton yield), 12ft spac., 10gpm, 3,360 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Wine Grapes			526.58	557.71	593.62	635.52	685.04	744.46	817.09	907.87	1024.59	1180.22	1398.10
PERCENT	YIELD	UNIT	-----dollars-----										
50	2.25	ton	-1329	-1259	-1179	-1084	-973	-839	-676	-471	-209	140	631
			-1960	-1890	-1810	-1715	-1604	-1470	-1307	-1103	-840	-490	0
60	2.70	ton	-1133	-1049	-952	-839	-705	-545	-349	-104	210	631	1219
			-1764	-1680	-1583	-1470	-1336	-1176	-980	-735	-420	0	588
70	3.15	ton	-937	-839	-726	-594	-438	-251	-22	263	631	1121	1807
			-1568	-1470	-1357	-1225	-1069	-882	-653	-367	0	490	1176
80	3.60	ton	-741	-629	-500	-349	-171	42	304	631	1051	1611	2395
			-1372	-1260	-1131	-980	-802	-588	-326	0	420	980	1764
90	4.05	ton	-545	-419	-273	-104	96	336	631	998	1471	2101	2984
			-1176	-1050	-905	-735	-534	-294	0	367	840	1470	2353
100	4.50	ton	-349	-209	-47	140	363	631	957	1366	1891	2591	3572
			-980	-840	-678	-490	-267	0	326	735	1260	1960	2941
110	4.95	ton	-153	0	178	385	631	925	1284	1734	2311	3082	4160
			-784	-630	-452	-245	0	294	653	1103	1680	2451	3529
120	5.40	ton	42	210	404	631	898	1219	1611	2101	2732	3572	4748
			-588	-420	-226	0	267	588	980	1470	2100	2941	4117
130	5.85	ton	238	420	631	876	1165	1513	1938	2469	3152	4062	5337
			-392	-210	0	245	534	882	1307	1838	2521	3431	4706
140	6.30	ton	434	631	857	1121	1433	1807	2265	2837	3572	4552	5925
			-196	0	226	490	802	1176	1634	2206	2941	3921	5294
150	6.75	ton	631	841	1083	1366	1700	2101	2591	3204	3992	5043	6513
			0	210	452	735	1069	1470	1960	2573	3361	4412	5882

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 28.A Summary of estimated costs per acre  
 Wine Grapes, Irrigated  
 Year 6, (6 ton yield), 12ft spacing, 10gpm, 3,360 row ft,  
 Alabama, Maltag 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	152.50	1.0000	152.50	_____
FUNGICIDE	acre	85.27	1.0000	85.27	_____
HERBICIDE	acre	110.66	1.0000	110.66	_____
INSECTICIDE	acre	38.88	1.0000	38.88	_____
FRUIT / NUT	acre	552.22	1.0000	552.22	_____
Hand Labor	hour	8.28	70.0000	579.60	_____
Harvest Labor	hour	8.28	102.0000	844.56	_____
Irrigation Labor	hour	8.28	25.5000	211.14	_____
Operator Labor	hour	10.21	6.8202	69.68	_____
UNALLOCATED LABOR	hour	10.19	1.3640	13.90	_____
DIESEL FUEL	gal	2.41	15.6223	37.61	_____
GASOLINE	gal	2.83	0.4500	1.26	_____
REPAIR & MAINTENANCE	acre	141.79	1.0000	141.79	_____
INTEREST ON OP. CAP.	acre	100.79	1.0000	100.79	_____
				-----	
TOTAL DIRECT EXPENSES				2939.86	_____
TOTAL FIXED EXPENSES				631.06	_____
				-----	
TOTAL SPECIFIED EXPENSES				3570.92	_____

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



Table 28.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 6, (6 ton yield), 12ft spacing, 10gpm, 3,360 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-----			
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jun										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Train Vines				1.00	Jun										
Hand Labor	hour									10.00	82.80				82.80
Sprayer - Utility	4 ft	4 x 4	0.250	1.00	Jun	0.63	1.63	0.03	0.16	0.25	2.55				5.00
Surflan AS	qt											3.0000	12.50	37.50	37.50
Gramoxone Max	pt											2.2000	5.09	11.20	11.20
Princep 4L	gal											0.7500	17.76	13.32	13.32
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jun	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jun	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Malathion 5E	pt											3.0000	3.18	9.54	9.54
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Jul										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jul	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Elite 45DF	lb											0.2500	48.12	12.03	12.03
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Jul	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Lorsban 4E	pt											4.5000	4.40	19.80	19.80
Irrigate & Check				4.00	Aug										
Hand Labor	hour									8.00	66.24				66.24
Mow between Rows				2.00	Aug										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Aug	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Captan 50 WP	lb											3.0000	3.41	10.23	10.23
Rovral 4F	pt											1.7500	19.83	34.70	34.70
Harvest Wine Grapes				1.00	Aug										
Harvest Labor	hour									102.00	844.56				844.56
Lugs (grapes)	each											100.0000	4.00	400.00	400.00
Irrigate & Check				2.00	Sep										
Irrigation Labor	hour									3.00	24.84				24.84
Mow between Rows				2.00	Sep										
Rotary Cutter	7 ft	2WD 50 hp	0.169			2.40	2.22	1.01	0.89	0.33	3.46				9.98
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Sep	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Dithane F-45	qt											1.1000	3.63	3.99	3.99

Table 28.B continued.. Estimated resource use and costs for field operations, per acre  
 Wine Grapes, Irrigated  
 Year 6, (6 ton yield), 12ft spacing, 10gpm, 3,360 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-----			
Sprayer Air Blast	16' 100gal	2WD 50 hp	0.245	1.00	Oct	1.74	1.61	9.83	22.12	0.24	2.51				37.81
Dithane F-45	qt											1.1000	3.63	3.99	3.99
Prorated Establish.	acre				Jan							1.0000			39.77
Irrigation	acre				Jan							1.0000			244.56
TOTALS						44.90	44.70	135.76	302.03	204.32	1704.98			939.53	3456.23
INTEREST ON OPERATING CAPITAL															100.79
UNALLOCATED LABOR															13.90
TOTAL SPECIFIED COST															3570.92

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



Table 28.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Wine Grapes, Irrigated  
 year 6, (6 ton yield), 12ft spacing, 10gpm, 3,360 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Wine Grapes			419.47	444.57	473.53	507.31	547.24	595.15	653.71	726.91	821.02	946.50	1122.18
PERCENT	YIELD	UNIT	-----dollars-----										
50	3.00	ton	-1477	-1401	-1314	-1213	-1093	-950	-774	-554	-272	104	631
			-2108	-2032	-1945	-1844	-1724	-1581	-1405	-1185	-903	-527	0
60	3.60	ton	-1266	-1175	-1071	-950	-806	-633	-422	-159	179	631	1263
			-1897	-1806	-1702	-1581	-1437	-1264	-1054	-790	-451	0	632
70	4.20	ton	-1055	-950	-828	-686	-518	-317	-71	235	631	1158	1895
			-1686	-1581	-1459	-1317	-1149	-948	-702	-395	0	527	1264
80	4.80	ton	-844	-724	-585	-422	-231	-1	279	631	1082	1685	2528
			-1475	-1355	-1216	-1054	-862	-632	-351	0	451	1054	1897
90	5.40	ton	-633	-498	-341	-159	56	314	631	1026	1534	2212	3160
			-1264	-1129	-972	-790	-574	-316	0	395	903	1581	2529
100	6.00	ton	-422	-272	-98	104	343	631	982	1421	1986	2739	3793
			-1054	-903	-729	-527	-287	0	351	790	1355	2108	3162
110	6.60	ton	-212	-46	144	367	631	947	1333	1816	2438	3266	4425
			-843	-677	-486	-263	0	316	702	1185	1806	2635	3794
120	7.20	ton	-1	179	387	631	918	1263	1685	2212	2889	3793	5058
			-632	-451	-243	0	287	632	1054	1581	2258	3162	4427
130	7.80	ton	209	405	631	894	1206	1579	2036	2607	3341	4320	5690
			-421	-225	0	263	574	948	1405	1976	2710	3689	5059
140	8.40	ton	420	631	874	1158	1493	1895	2387	3002	3793	4847	6322
			-210	0	243	527	862	1264	1756	2371	3162	4216	5691
150	9.00	ton	631	856	1117	1421	1780	2212	2739	3397	4244	5374	6955
			0	225	486	790	1149	1581	2108	2766	3613	4743	6324

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 29.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Prepare orchard site, Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	3.20	1.0000	3.20	_____
HERBICIDE	acre	6.98	1.0000	6.98	_____
Hand Labor	hour	8.28	1.5000	12.42	_____
Operator Labor	hour	10.21	3.0608	31.26	_____
UNALLOCATED LABOR	hour	10.20	0.6121	6.25	_____
DIESEL FUEL	gal	2.41	6.5906	15.88	_____
GASOLINE	gal	2.83	0.3000	0.85	_____
REPAIR & MAINTENANCE	acre	4.94	1.0000	4.94	_____
INTEREST ON OP. CAP.	acre	1.48	1.0000	1.48	_____
				-----	
TOTAL DIRECT EXPENSES				83.26	_____
TOTAL FIXED EXPENSES				25.77	_____
				-----	
TOTAL SPECIFIED EXPENSES				109.03	_____

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

Table 29.B Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Prepare orchard site, 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-----			
Sprayer (Broadcast)	12 ft	4 x 4	0.500	1.00	Jul	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Glyphomax	pt											2.0000	3.49	6.98	6.98
Lime (Spread)	ton			1.00	Sep							0.1000	32.00	3.20	3.20
Sub-Soiler	1 shank	2WD 50 hp	1.078	0.50	Sep	3.81	3.54	0.16	0.52	0.53	5.51				13.54
Disk Harrow	10 Ft	2WD 50 hp	0.198	2.00	Sep	2.81	2.60	1.16	3.07	0.39	4.05				13.69
Mark of Rows				1.00	Oct										
Hand Labor	hour									1.50	12.42				12.42
Disk Bed (Hipper)	1-row	2WD 50 hp	0.750	0.50	Oct	2.66	2.46	0.22	1.06	0.37	3.83				10.23
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.50	Nov	8.85	8.21	0.68	0.73	1.25	12.76				31.23
TOTALS						19.40	20.06	2.27	5.71	4.56	43.68			10.18	101.30
INTEREST ON OPERATING CAPITAL															1.48
UNALLOCATED LABOR															6.25
TOTAL SPECIFIED COST															109.03

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

Table 30.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Orchard establishment, Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	12.84	1.0000	12.84	_____
HERBICIDE	acre	12.86	1.0000	12.86	_____
INSECTICIDE	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	432.00	1.0000	432.00	_____
Hand Labor	hour	8.28	2.5000	20.70	_____
Operator Labor	hour	10.21	6.1388	62.69	_____
Planting Labor	hour	8.28	7.0000	57.96	_____
Pruning labor	hour	8.28	3.0000	24.84	_____
UNALLOCATED LABOR	hour	10.19	1.2277	12.52	_____
DIESEL FUEL	gal	2.41	7.8593	18.92	_____
GASOLINE	gal	2.83	1.8509	5.22	_____
REPAIR & MAINTENANCE	acre	8.49	1.0000	8.49	_____
INTEREST ON OP. CAP.	acre	40.08	1.0000	40.08	_____
				-----	
TOTAL DIRECT EXPENSES				717.04	_____
TOTAL FIXED EXPENSES				163.86	_____
				-----	
TOTAL SPECIFIED EXPENSES				880.90	_____

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





Table 31.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 2 thru 6, Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	28.32	1.0000	28.32	_____
FUNGICIDE	acre	26.86	1.0000	26.86	_____
HERBICIDE	acre	27.92	1.0000	27.92	_____
INSECTICIDE	acre	2.64	1.0000	2.64	_____
SEED/PLANTS	acre	16.00	1.0000	16.00	_____
Hand Labor	hour	8.28	4.5000	37.26	_____
Operator Labor	hour	10.21	4.5538	46.51	_____
Planting Labor	hour	8.28	0.5000	4.14	_____
Prunning labor	hour	8.28	1.5000	12.42	_____
UNALLOCATED LABOR	hour	10.20	0.9107	9.29	_____
DIESEL FUEL	gal	2.41	2.7121	6.52	_____
GASOLINE	gal	2.83	2.0999	5.92	_____
REPAIR & MAINTENANCE	acre	5.57	1.0000	5.57	_____
INTEREST ON OP. CAP.	acre	9.77	1.0000	9.77	_____
				-----	
TOTAL DIRECT EXPENSES				239.14	_____
TOTAL FIXED EXPENSES				149.98	_____
				-----	
TOTAL SPECIFIED EXPENSES				389.12	_____

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

Table 31.B Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 2 thru 6, 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-----			
Trailer utility	10 ft	2WD 50 hp	0.600	1.00	Jan	4.25	3.94	0.08	0.37	0.60	6.13				14.77
Planting Labor	hour									0.50	4.14				4.14
Pecan Seedlings	each											1.0000	16.00	16.00	16.00
Prunning & Training				1.00	Feb										
Utility Vechicle	4 x 4		0.249			0.63	1.62			0.25	2.55				4.80
Prunning labor	hour									1.50	12.42				12.42
Utility Vechicle	4 x 4		0.249	1.00	Mar	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									0.50	4.14				4.14
Fert 13-13-13	cwt											0.5600	12.00	6.72	6.72
Sprayer (Broadcast)	12 ft	4 x 4	0.500	1.00	Apr	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Hand Labor	hour									0.50	4.14				4.14
Lorsban 4E	pt											0.3000	4.40	1.32	1.32
Zinc Sulfate 31%	lb											4.0000	0.68	2.72	2.72
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.67	Apr	0.80	0.75	0.34	0.30	0.11	1.16				3.35
Sprayer (Broadcast)	12 ft	4 x 4	0.500	1.00	Apr	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Hand Labor	hour									0.50	4.14				4.14
Enable 2F	oz											4.0000	1.51	6.04	6.04
Herb. under Trees				0.50	Apr										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer (Broadcast)	12 ft	4 x 4	0.500	1.00	May	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Hand Labor	hour									1.00	8.28				8.28
Lorsban 4E	pt											0.3000	4.40	1.32	1.32
Elast 400F	gal											0.2000	45.00	9.00	9.00
Zinc Sulfate 31%	lb											4.0000	0.68	2.72	2.72
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.67	May	0.80	0.75	0.34	0.30	0.11	1.16				3.35
Sprayer (Broadcast)	12 ft	4 x 4	0.500	1.00	May	1.27	3.25	0.05	0.33	0.50	5.11				10.01
Hand Labor	hour									0.50	4.14				4.14
Abound	oz											6.0000	1.97	11.82	11.82
Utility Vechicle	4 x 4		0.249	1.00	May	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									0.50	4.14				4.14
Amm Nitrate (34%)	cwt											0.8400	16.00	13.44	13.44
Utility Vechicle	4 x 4		0.249	1.00	Jun	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Zinc Sulfate 31%	lb											4.0000	0.68	2.72	2.72
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.67	Jul	0.80	0.75	0.34	0.30	0.11	1.16				3.35
Herb. under Trees				0.50	Jul										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.67	Sep	0.80	0.75	0.34	0.30	0.11	1.16				3.35



Table 31.B continued.. Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 2 thru 6, 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		9.43
Irrigation	acre				Jan								1.0000		107.66
TOTALS						16.31	29.68	1.70	3.21	11.05	100.33			101.74	370.06
INTEREST ON OPERATING CAPITAL															9.77
UNALLOCATED LABOR															9.29
TOTAL SPECIFIED COST															389.12

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

Table 32.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 7 thru 10, (405lb yield in Yr. 8), Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	37.12	1.0000	37.12	_____
FUNGICIDE	acre	85.26	1.0000	85.26	_____
HERBICIDE	acre	27.92	1.0000	27.92	_____
INSECTICIDE	acre	54.96	1.0000	54.96	_____
FRUIT / NUT	acre	4.80	1.0000	4.80	_____
Hand Labor	hour	8.28	1.3267	10.99	_____
Harvest Labor	hour	8.28	0.5000	4.14	_____
Operator Labor	hour	10.21	8.8734	90.56	_____
UNALLOCATED LABOR	hour	10.17	1.7746	18.06	_____
DIESEL FUEL	gal	2.41	20.2631	48.88	_____
GASOLINE	gal	2.83	3.0999	8.76	_____
REPAIR & MAINTENANCE	acre	55.82	1.0000	55.82	_____
INTEREST ON OP. CAP.	acre	15.86	1.0000	15.86	_____
				-----	
TOTAL DIRECT EXPENSES				463.13	_____
TOTAL FIXED EXPENSES				308.16	_____
				-----	
TOTAL SPECIFIED EXPENSES				771.29	_____

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

Table 32.B Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 7 thru 10, (405lb yield in Yr. 8), 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-----			
Utility Vehicle	4 x 4		0.249	1.00	Mar	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									0.50	4.14				4.14
Fert 13-13-13	cwt											0.7400	12.00	8.88	8.88
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.60	Apr	0.72	0.67	0.30	0.27	0.10	1.04				3.00
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Lorsban 4E	pt											1.5000	4.40	6.60	6.60
Zinc Sulfate 31%	lb											6.0000	0.68	4.08	4.08
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Enable 2F	oz											8.0000	1.51	12.08	12.08
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Elast 400F	gal											0.4000	45.00	18.00	18.00
Zinc Sulfate 31%	lb											6.0000	0.68	4.08	4.08
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.60	May	0.72	0.67	0.30	0.27	0.10	1.04				3.00
Herb. under Trees				0.50	May										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											8.0000	1.97	15.76	15.76
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Confirm 2F	oz											9.0000	1.48	13.32	13.32
Utility Vehicle	4 x 4		0.249	1.00	May	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									0.50	4.14				4.14
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00	16.00
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Super-Tin 80WP	oz											6.0000	2.01	12.06	12.06
Zinc Sulfate 31%	lb											6.0000	0.68	4.08	4.08
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Imidan 70 WSB	lb											1.2000	8.66	10.39	10.39
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Propimax EC	oz											5.0000	2.32	11.60	11.60
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.60	Jul	0.72	0.67	0.30	0.27	0.10	1.04				3.00
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jul	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											8.0000	1.97	15.76	15.76
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jul	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Kelthane MF	pt											1.3000	4.98	6.47	6.47
Herb. under Trees				0.50	Jul										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Aug	2.03	1.88	0.61	1.37	0.28	2.92				8.81

Table 32.B continued.. Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 7 thru 10, (405lb yield in Yr. 8), 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-----				
Warrior ZT	oz												2.2500	2.16	4.86	4.86
Confirm 2F	oz												9.0000	1.48	13.32	13.32
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.60	Sep	0.72	0.67	0.30	0.27	0.10	1.04					3.00
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Oct	5.84	5.42	0.45	0.48	0.82	8.42					20.61
Hand Labor	hour									0.32	2.71					2.71
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	3.02	10.60	0.50	5.11					25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	4.91	11.48	0.50	5.11					28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Oct	2.36	2.19	3.73	7.78	0.33	3.40					19.46
Burlap bag	each											8.0000	0.60	4.80		4.80
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Nov	5.84	5.42	0.45	0.48	0.82	8.42					20.61
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	3.02	10.60	0.50	5.11					25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	4.91	11.48	0.50	5.11					28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Nov	2.36	2.19	3.73	7.78	0.33	3.40					19.46
Cleaner Pecan Low	each			1.00	Oct						27.86		0.0250			27.86
Application 1	acre			1.00	Oct			11.49		0.25	2.07		1.0000			13.56
Cleaner Pecan Low	each			1.00	Nov						27.86		0.0250			27.86
Application 1	acre			1.00	Nov			11.49		0.25	2.07		1.0000			13.56
Prorated Establish.	acre				Jan								1.0000			9.43
Irrigation	acre				Jan								1.0000			107.66
TOTALS						58.29	58.20	55.17	132.87	10.70	105.69				210.06	737.37
INTEREST ON OPERATING CAPITAL																15.86
UNALLOCATED LABOR																18.06
TOTAL SPECIFIED COST																771.29

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

**Table 32.C Breakeven price above total expenses and net returns for price/yield combinations, per acre**  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 7 thru 10, (405lb yield in Yr. 8), Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Pecans			1.26	1.36	1.46	1.58	1.73	1.90	2.11	2.38	2.72	3.17	3.80
PERCENT	YIELD	UNIT	-----dollars-----										
50	202.50	lbs	-206	-187	-166	-141	-112	-77	-34	18	87	179	308
			-514	-495	-474	-449	-420	-385	-342	-289	-220	-128	0
60	243.00	lbs	-154	-132	-107	-77	-42	-0	51	115	197	308	462
			-462	-440	-415	-385	-350	-308	-257	-192	-110	0	154
70	283.50	lbs	-103	-77	-47	-13	27	76	136	211	308	436	616
			-411	-385	-355	-321	-280	-231	-171	-96	0	128	308
80	324.00	lbs	-51	-22	11	51	97	153	222	308	418	565	770
			-359	-330	-296	-257	-210	-154	-85	0	110	257	462
90	364.50	lbs	-0	32	70	115	167	231	308	404	528	693	925
			-308	-275	-237	-192	-140	-77	0	96	220	385	617
100	405.00	lbs	51	87	130	179	238	308	393	500	638	822	1079
			-257	-220	-177	-128	-70	0	85	192	330	514	771
110	445.50	lbs	102	142	189	243	308	385	479	597	748	950	1233
			-205	-165	-118	-64	0	77	171	289	440	642	925
120	486.00	lbs	153	197	248	308	378	462	565	693	859	1079	1387
			-154	-110	-59	0	70	154	257	385	550	771	1079
130	526.50	lbs	205	253	308	372	448	539	650	790	969	1207	1542
			-102	-55	0	64	140	231	342	482	661	899	1234
140	567.00	lbs	256	308	367	436	518	616	736	886	1079	1336	1696
			-51	0	59	128	210	308	428	578	771	1028	1388
150	607.50	lbs	308	363	426	500	588	693	822	983	1189	1465	1850
			0	55	118	192	280	385	514	674	881	1156	1542

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 33.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 11 through 15, (1,106lb yield for Yr. 13),  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	44.32	1.0000	44.32	_____
FUNGICIDE	acre	105.74	1.0000	105.74	_____
HERBICIDE	acre	27.92	1.0000	27.92	_____
INSECTICIDE	acre	103.30	1.0000	103.30	_____
FRUIT / NUT	acre	12.00	1.0000	12.00	_____
Hand Labor	hour	8.28	0.4356	3.61	_____
Harvest Labor	hour	8.28	1.0000	8.28	_____
Operator Labor	hour	10.21	8.1876	83.54	_____
UNALLOCATED LABOR	hour	10.16	1.6375	16.64	_____
DIESEL FUEL	gal	2.41	19.7849	47.74	_____
GASOLINE	gal	2.83	5.3000	15.00	_____
REPAIR & MAINTENANCE	acre	54.50	1.0000	54.50	_____
INTEREST ON OP. CAP.	acre	18.51	1.0000	18.51	_____
				-----	
TOTAL DIRECT EXPENSES				541.10	_____
TOTAL FIXED EXPENSES				302.59	_____
				-----	
TOTAL SPECIFIED EXPENSES				843.69	_____

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

Table 33.B Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 11 through 15, (1,106lb yield for Yr. 13), 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-----			
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	Mar	0.59	0.55	0.05	0.23	0.08	0.86				2.28
Fert 13-13-13	cwt											1.0000	12.00	12.00	12.00
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Apr	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Lorsban 4E	pt											4.0000	4.40	17.60	17.60
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Enable 2F	oz											8.0000	1.51	12.08	12.08
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Elast 400F	gal											0.4000	45.00	18.00	18.00
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	May	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Herb. under Trees				0.50	May										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											11.0000	1.97	21.67	21.67
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Confirm 2F	oz											16.0000	1.48	23.68	23.68
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	May	0.59	0.55	0.05	0.23	0.08	0.86				2.28
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00	16.00
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Super-Tin 80WP	oz											8.0000	2.01	16.08	16.08
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Propimax EC	oz											7.0000	2.32	16.24	16.24
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Jul	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jul	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											11.0000	1.97	21.67	21.67
Kelthane MF	pt											2.0000	4.98	9.96	9.96
Herb. under Trees				0.50	Jul										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Aug	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Warrior ZT	oz											5.1200	2.16	11.06	11.06
Confirm 2F	oz											16.0000	1.48	23.68	23.68
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Sep	0.60	0.56	0.25	0.22	0.08	0.86				2.49

Table 33.B continued.. Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 11 through 15, (1,106lb yield for Yr. 13), 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-----			
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Oct	5.84	5.42	0.45	0.48	0.82	8.42				20.61
Hand Labor	hour									0.32	2.71				2.71
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	3.02	10.60	0.50	5.11				25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	4.91	11.48	0.50	5.11				28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Oct	2.36	2.19	3.73	7.78	0.33	3.40				19.46
Burlap bag	each											20.0000	0.60	12.00	12.00
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Nov	5.84	5.42	0.45	0.48	0.82	8.42				20.61
Hand Labor	hour									0.10	0.90				0.90
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	3.02	10.60	0.50	5.11				25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	4.91	11.48	0.50	5.11				28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Nov	2.36	2.19	3.73	7.78	0.33	3.40				19.46
Cleaner Pecan	each			1.00	Oct				27.86			0.0250			27.86
Application 1	acre			1.00	Oct			15.03		0.50	4.14	1.0000			19.17
Cleaner Pecan	each			1.00	Nov				27.86			0.0250			27.86
Application 1	acre			1.00	Nov			15.03		0.50	4.14	1.0000			19.17
Prorated Establish.	acre				Jan							1.0000			9.43
Irrigation	acre				Jan							1.0000			107.66
TOTALS						55.70	53.74	61.54	131.76	9.62	95.43			293.28	808.54
INTEREST ON OPERATING CAPITAL															18.51
UNALLOCATED LABOR															16.64
TOTAL SPECIFIED COST															843.69

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



Table 33.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 11 through 15, (1,106lb yield for Yr. 13), Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Pecans			0.50	0.54	0.58	0.63	0.69	0.76	0.84	0.95	1.08	1.27	1.52
PERCENT	YIELD	UNIT	-----dollars-----										
50	553.00	lbs	-259	-239	-216	-189	-157	-119	-72	-13	61	161	302
			-562	-542	-519	-492	-460	-421	-374	-316	-241	-140	0
60	663.60	lbs	-203	-179	-151	-119	-80	-34	21	91	182	302	471
			-506	-482	-454	-421	-383	-337	-281	-210	-120	0	168
70	774.20	lbs	-147	-119	-86	-48	-4	49	115	197	302	443	640
			-449	-421	-389	-351	-306	-253	-187	-105	0	140	337
80	884.80	lbs	-91	-58	-21	21	72	133	208	302	423	583	808
			-393	-361	-324	-281	-230	-168	-93	0	120	281	506
90	995.40	lbs	-34	1	42	91	149	218	302	408	543	724	977
			-337	-301	-259	-210	-153	-84	0	105	241	421	674
100	1106.00	lbs	21	61	107	161	225	302	396	513	664	865	1146
			-281	-241	-194	-140	-76	0	93	210	361	562	843
110	1216.60	lbs	77	121	172	232	302	386	490	618	784	1005	1315
			-224	-180	-129	-70	0	84	187	316	482	703	1012
120	1327.20	lbs	133	182	237	302	379	471	583	724	905	1146	1483
			-168	-120	-64	0	76	168	281	421	602	843	1181
130	1437.80	lbs	190	242	302	372	455	555	677	829	1025	1286	1652
			-112	-60	0	70	153	253	374	527	723	984	1349
140	1548.40	lbs	246	302	367	443	532	640	771	935	1146	1427	1821
			-56	0	64	140	230	337	468	632	843	1124	1518
150	1659.00	lbs	302	362	432	513	609	724	865	1040	1266	1568	1989
			0	60	129	210	306	421	562	738	964	1265	1687

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 34.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 16 through 20,(960lb yield for year 18),  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	44.32	1.0000	44.32	_____
FUNGICIDE	acre	105.74	1.0000	105.74	_____
HERBICIDE	acre	27.92	1.0000	27.92	_____
INSECTICIDE	acre	103.30	1.0000	103.30	_____
FRUIT / NUT	acre	12.00	1.0000	12.00	_____
Hand Labor	hour	8.28	0.6534	5.42	_____
Harvest Labor	hour	8.28	1.0000	8.28	_____
Operator Labor	hour	10.21	8.1876	83.54	_____
UNALLOCATED LABOR	hour	10.16	1.6375	16.64	_____
DIESEL FUEL	gal	2.41	19.7849	47.74	_____
GASOLINE	gal	2.83	5.3000	15.00	_____
REPAIR & MAINTENANCE	acre	54.50	1.0000	54.50	_____
INTEREST ON OP. CAP.	acre	18.52	1.0000	18.52	_____
				-----	
TOTAL DIRECT EXPENSES				542.92	_____
TOTAL FIXED EXPENSES				302.59	_____
				-----	
TOTAL SPECIFIED EXPENSES				845.51	_____

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

Table 34.B Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 16 through 20, (960lb yield for year 18), 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-----			
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	Mar	0.59	0.55	0.05	0.23	0.08	0.86				2.28
Fert 13-13-13	cwt											1.0000	12.00	12.00	12.00
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Apr	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Lorsban 4E	pt											4.0000	4.40	17.60	17.60
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Enable 2F	oz											8.0000	1.51	12.08	12.08
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Elast 400F	gal											0.4000	45.00	18.00	18.00
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	May	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Herb. under Trees				0.50	May										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											11.0000	1.97	21.67	21.67
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Confirm 2F	oz											16.0000	1.48	23.68	23.68
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	May	0.59	0.55	0.05	0.23	0.08	0.86				2.28
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00	16.00
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Super-Tin 80WP	oz											8.0000	2.01	16.08	16.08
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Propimax EC	oz											7.0000	2.32	16.24	16.24
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Jul	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jul	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											11.0000	1.97	21.67	21.67
Kelthane MF	pt											2.0000	4.98	9.96	9.96
Herb. under Trees				0.50	Jul										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Aug	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Warrior ZT	oz											5.1200	2.16	11.06	11.06
Confirm 2F	oz											16.0000	1.48	23.68	23.68
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Sep	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Oct	5.84	5.42	0.45	0.48	0.82	8.42				20.61

Table 34.B continued.. Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 16 through 20, (960lb yield for year 18), 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-----				
Hand Labor	hour										0.32	2.71				2.71
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	3.02	10.60	0.50	5.11					25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	4.91	11.48	0.50	5.11					28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Oct	2.36	2.19	3.73	7.78	0.33	3.40					19.46
Burlap bag	each												20.0000	0.60	12.00	12.00
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Nov	5.84	5.42	0.45	0.48	0.82	8.42					20.61
Hand Labor	hour										0.32	2.71				2.71
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	3.02	10.60	0.50	5.11					25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	4.91	11.48	0.50	5.11					28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Nov	2.36	2.19	3.73	7.78	0.33	3.40					19.46
Cleaner Pecan	each			1.00	Oct						27.86		0.0250			27.86
Application 1	acre			1.00	Oct			15.03		0.50	4.14		1.0000			19.17
Cleaner Pecan	each			1.00	Nov						27.86		0.0250			27.86
Application 1	acre			1.00	Nov			15.03		0.50	4.14		1.0000			19.17
Prorated Establish.	acre				Jan								1.0000			9.43
Irrigation	acre				Jan								1.0000			107.66
TOTALS						55.70	53.74	61.54	131.76	9.84	97.24				293.28	810.35
INTEREST ON OPERATING CAPITAL																18.52
UNALLOCATED LABOR																16.64
TOTAL SPECIFIED COST																845.51

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

Table 34.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 16 through 20, (960lb yield for year 18), Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Pecans			0.58	0.62	0.67	0.73	0.80	0.88	0.97	1.10	1.25	1.46	1.76
PERCENT	YIELD	UNIT	-----dollars-----										
50	480.00	lbs	-261	-240	-217	-190	-158	-120	-73	-14	61	161	302
			-563	-543	-520	-493	-461	-422	-375	-317	-241	-140	0
60	576.00	lbs	-204	-180	-152	-120	-81	-35	20	91	181	302	471
			-507	-483	-455	-422	-384	-338	-281	-211	-120	0	169
70	672.00	lbs	-148	-120	-87	-49	-4	48	114	196	302	443	640
			-450	-422	-390	-352	-307	-253	-187	-105	0	140	338
80	768.00	lbs	-91	-59	-22	20	71	133	208	302	423	584	809
			-394	-362	-325	-281	-230	-169	-93	0	120	281	507
90	864.00	lbs	-35	0	42	91	148	218	302	408	544	725	978
			-338	-301	-260	-211	-153	-84	0	105	241	422	676
100	960.00	lbs	20	61	107	161	225	302	396	513	664	866	1148
			-281	-241	-195	-140	-76	0	93	211	362	563	845
110	1056.00	lbs	77	121	172	232	302	387	490	619	785	1007	1317
			-225	-181	-130	-70	0	84	187	317	483	704	1014
120	1152.00	lbs	133	181	237	302	379	471	584	725	906	1148	1486
			-169	-120	-65	0	76	169	281	422	603	845	1183
130	1248.00	lbs	189	242	302	373	456	556	678	831	1027	1289	1655
			-112	-60	0	70	153	253	375	528	724	986	1352
140	1344.00	lbs	246	302	367	443	533	640	772	936	1148	1429	1824
			-56	0	65	140	230	338	469	634	845	1127	1521
150	1440.00	lbs	302	362	432	513	610	725	866	1042	1268	1570	1993
			0	60	130	211	307	422	563	739	966	1268	1691

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 35.A Summary of estimated costs per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 21 through 30, (1,250lb yield for year 25),  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	44.32	1.0000	44.32	_____
FUNGICIDE	acre	105.74	1.0000	105.74	_____
HERBICIDE	acre	27.92	1.0000	27.92	_____
INSECTICIDE	acre	94.50	1.0000	94.50	_____
FRUIT / NUT	acre	14.40	1.0000	14.40	_____
Hand Labor	hour	8.28	0.6534	5.42	_____
Harvest Labor	hour	8.28	1.0000	8.28	_____
Operator Labor	hour	10.21	8.1876	83.54	_____
UNALLOCATED LABOR	hour	10.16	1.6375	16.64	_____
DIESEL FUEL	gal	2.41	19.7849	47.74	_____
GASOLINE	gal	2.83	5.3000	15.00	_____
REPAIR & MAINTENANCE	acre	54.50	1.0000	54.50	_____
INTEREST ON OP. CAP.	acre	18.03	1.0000	18.03	_____
				-----	
TOTAL DIRECT EXPENSES				536.03	_____
TOTAL FIXED EXPENSES				302.59	_____
				-----	
TOTAL SPECIFIED EXPENSES				838.62	_____

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

Table 35.B Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 21 through 30, (1,250lb yield for year 25), 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-----			
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	Mar	0.59	0.55	0.05	0.23	0.08	0.86				2.28
Fert 13-13-13	cwt											1.0000	12.00	12.00	12.00
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Apr	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Lorsban 4E	pt											2.0000	4.40	8.80	8.80
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Apr	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Enable 2F	oz											8.0000	1.51	12.08	12.08
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Elast 400F	gal											0.4000	45.00	18.00	18.00
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	May	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Herb. under Trees				0.50	May										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											11.0000	1.97	21.67	21.67
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	May	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Confirm 2F	oz											16.0000	1.48	23.68	23.68
Cyclone Spin	825 Lb	2WD 50 hp	0.084	1.00	May	0.59	0.55	0.05	0.23	0.08	0.86				2.28
Amm Nitrate (34%)	cwt											1.0000	16.00	16.00	16.00
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Super-Tin 80WP	oz											8.0000	2.01	16.08	16.08
Zinc Sulfate 31%	lb											8.0000	0.68	5.44	5.44
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Imidan 70 WSB	lb											2.0000	8.66	17.32	17.32
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jun	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Propimax EC	oz											7.0000	2.32	16.24	16.24
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Jul	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Jul	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Abound	oz											11.0000	1.97	21.67	21.67
Kelthane MF	pt											2.0000	4.98	9.96	9.96
Herb. under Trees				0.50	Jul										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Glyphomax	pt											4.0000	3.49	13.96	13.96
Sprayer A-B Orchard	16' 300gal	2WD 50 hp	0.286	1.00	Aug	2.03	1.88	0.61	1.37	0.28	2.92				8.81
Warrior ZT	oz											5.1200	2.16	11.06	11.06
Confirm 2F	oz											16.0000	1.48	23.68	23.68
Rotary Cutter	7 ft	2WD 50 hp	0.169	0.50	Sep	0.60	0.56	0.25	0.22	0.08	0.86				2.49
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Oct	5.84	5.42	0.45	0.48	0.82	8.42				20.61

Table 35.B continued.. Estimated resource use and costs for field operations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 21 through 30, (1,250lb yield for year 25), 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-----			
Hand Labor	hour									0.32	2.71				2.71
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	3.02	10.60	0.50	5.11				25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Oct	3.54	3.28	4.91	11.48	0.50	5.11				28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Oct	2.36	2.19	3.73	7.78	0.33	3.40				19.46
Burlap bag	each											24.0000	0.60	14.40	14.40
Blade-Scraper	6-7'	2WD 50 hp	2.500	0.33	Nov	5.84	5.42	0.45	0.48	0.82	8.42				20.61
Hand Labor	hour									0.32	2.71				2.71
Shaker Pecan PTO	up to 38"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	3.02	10.60	0.50	5.11				25.55
Harvester Pecan	61"	2WD 50 hp	0.500	1.00	Nov	3.54	3.28	4.91	11.48	0.50	5.11				28.32
Wagon (dump) Pecan	12 ft	2WD 50 hp	0.333	1.00	Nov	2.36	2.19	3.73	7.78	0.33	3.40				19.46
Cleaner Pecan	each			1.00	Oct				27.86			0.0250			27.86
Application 1	acre			1.00	Oct			15.03		0.50	4.14	1.0000			19.17
Cleaner Pecan	each			1.00	Nov				27.86			0.0250			27.86
Application 1	acre			1.00	Nov			15.03		0.50	4.14	1.0000			19.17
Prorated Establish.	acre				Jan							1.0000			9.43
Irrigation	acre				Jan							1.0000			107.66
TOTALS						55.70	53.74	61.54	131.76	9.84	97.24			286.88	803.95
INTEREST ON OPERATING CAPITAL															18.03
UNALLOCATED LABOR															16.64
TOTAL SPECIFIED COST															838.62

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



Table 35.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Pecan, Irrigated, 40ft spacing, 10gpm, 1,089 row ft  
 Year 21 through 30, (1,250lb yield for year 25) , Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Pecans			0.44	0.47	0.51	0.55	0.60	0.67	0.74	0.83	0.95	1.11	1.34
PERCENT	YIELD	UNIT	-----dollars-----										
50	625.00	lbs	-256	-236	-213	-186	-154	-116	-70	-11	62	162	302
			-559	-539	-516	-489	-457	-419	-372	-314	-239	-139	0
60	750.00	lbs	-200	-176	-148	-116	-78	-32	23	92	182	302	470
			-503	-479	-451	-419	-381	-335	-279	-209	-119	0	167
70	875.00	lbs	-144	-116	-84	-46	-2	51	116	197	302	442	638
			-447	-419	-387	-349	-304	-251	-186	-104	0	139	335
80	1000.00	lbs	-88	-56	-19	23	73	134	209	302	422	582	805
			-391	-359	-322	-279	-228	-167	-93	0	119	279	503
90	1125.00	lbs	-32	3	44	92	150	218	302	407	542	721	973
			-335	-299	-258	-209	-152	-83	0	104	239	419	670
100	1250.00	lbs	23	62	109	162	226	302	395	512	661	861	1141
			-279	-239	-193	-139	-76	0	93	209	359	559	838
110	1375.00	lbs	78	122	173	232	302	386	488	617	781	1001	1308
			-223	-179	-129	-69	0	83	186	314	479	698	1006
120	1500.00	lbs	134	182	238	302	378	470	582	721	901	1141	1476
			-167	-119	-64	0	76	167	279	419	599	838	1174
130	1625.00	lbs	190	242	302	372	455	554	675	826	1021	1280	1644
			-111	-59	0	69	152	251	372	524	718	978	1341
140	1750.00	lbs	246	302	367	442	531	638	768	931	1141	1420	1812
			-55	0	64	139	228	335	465	628	838	1118	1509
150	1875.00	lbs	302	362	431	512	607	721	861	1036	1261	1560	1979
			0	59	129	209	304	419	559	733	958	1257	1677

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 36.A Summary of estimated costs per acre  
 Blackberry - Irrigated  
 Year 1, establish. yr., 12ft spac., 10gpm, 3,630 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	262.00	1.0000	262.00	_____
FUNGICIDE	acre	150.64	1.0000	150.64	_____
HERBICIDE	acre	41.80	1.0000	41.80	_____
INSECTICIDE	acre	492.69	1.0000	492.69	_____
FRUIT / NUT	acre	5541.26	1.0000	5541.26	_____
IRRIGATION SUPPLIES	acre	465.36	1.0000	465.36	_____
Hand Labor	hour	8.28	73.6547	609.86	_____
Irrigation Labor	hour	8.28	91.5000	757.62	_____
Operator Labor	hour	10.21	11.1374	113.70	_____
Planting Labor	hour	8.28	4.7596	39.41	_____
Pruning labor	hour	8.28	4.0000	33.12	_____
UNALLOCATED LABOR	hour	10.20	2.2274	22.73	_____
DIESEL FUEL	gal	2.41	28.6632	69.12	_____
REPAIR & MAINTENANCE	acre	29.26	1.0000	29.26	_____
INTEREST ON OP. CAP.	acre	314.57	1.0000	314.57	_____
				-----	
TOTAL DIRECT EXPENSES				8943.14	_____
TOTAL FIXED EXPENSES				114.32	_____
				-----	
TOTAL SPECIFIED EXPENSES				9057.46	_____

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

Table 36.B Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 1, establish. yr., 12ft spac., 10gpm, 3,630 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-----				
Mark of Rows				1.00	Nov											
Hand Labor	hour									1.00	8.28					8.28
Lime (Spread)	ton			1.00	Nov							1.0000	32.00	32.00		32.00
Sub-Soiler	1 shank	MFWD 50 hp	1.078	0.25	Nov	1.87	1.48	0.08	0.26	0.26	2.75					6.44
Sprayer (BC & Wand)	12 ft	MFWD 50 hp	0.500	1.00	Nov	3.47	2.74	0.05	0.33	0.50	5.11					11.70
Glyphomax	pt											4.0000	3.49	13.96		13.96
Chisel Plow	5 ft	MFWD 50 hp	0.220	1.00	Nov	1.52	1.21	0.22	0.50	0.22	2.25					5.70
Disk Harrow	6ft	MFWD 50 hp	0.330	1.00	Nov	2.29	1.81	0.72	1.90	0.33	3.37					10.09
Fert Appl (Liquid)	4R-6'	MFWD 50 hp	1.309	1.00	Nov	9.08	7.18	10.46	14.69	1.96	18.79					60.20
Telone II	gal											35.0000	13.84	484.40		484.40
Cultipacker	12 Ft	MFWD 50 hp	0.124	1.00	Nov	0.86	0.68	0.10	0.17	0.12	1.27					3.08
Mow between Rows				0.50	Mar											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Mar	2.93	2.32	0.91	4.33	0.42	4.32					14.81
Fert 10-10-10	cwt											6.0000	9.00	54.00		54.00
Sprayer (BC & Wand)	12 ft	MFWD 50 hp	0.500	0.25	Mar	0.87	0.69	0.01	0.08	0.12	1.28					2.93
Glyphomax	pt											2.0000	3.49	6.98		6.98
Disk Harrow	6ft	MFWD 50 hp	0.330	0.50	Mar	1.15	0.91	0.36	0.95	0.16	1.69					5.06
Chain Harrow	6 ft	MFWD 50 hp	0.343	0.50	Mar	1.20	0.94	0.01	0.70	0.17	1.75					4.60
Crown Gall Treatment				1.00	Mar											
Hand Labor	hour									6.00	49.68					49.68
Planter/Transplanter	1 Row	MFWD 50 hp	1.586	1.00	Mar	11.00	8.70	0.11	11.27	6.34	55.61					86.69
Blackberry Plants	each											908.0000	3.00	2724.00		2724.00
Trailer water	10 ft	MFWD 50 hp	0.600	1.00	Mar	4.16	3.29	0.26	0.94	0.60	6.13					14.78
Hand Labor	hour									1.00	8.28					8.28
Chain Harrow	6 ft	MFWD 50 hp	0.343	1.00	Mar	2.38	1.89	0.01	1.39	0.34	3.51					9.18
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Nova 40W	oz											1.0000	3.83	3.83		3.83
Kocide 101	lb											1.0000	2.56	2.56		2.56
Cultivate	2-Row	MFWD 50 hp	0.312	1.00	Apr	2.17	1.71	0.10	0.63	0.31	3.19					7.80
Hoeing				1.00	Apr											
Hand Labor	hour									10.00	82.80					82.80
Mow between Rows				0.50	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Early Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54

Captan 50 WP	lb	2.0000	3.41	6.82	6.82
Nova 40W	oz	1.0000	3.83	3.83	3.83

Table 36.B continued... Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 1, establish. yr., 12ft spac., 10gpm, 3,630 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-----			
Full Bloom				0.50	Apr										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
Petal Fall				0.50	Apr										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Switch	oz											7.0000	4.22	29.54	29.54
Irrigate & Check				1.00	Apr										
Irrigation Labor	hour									15.00	124.20				124.20
1/2 of water needed	100gal											272.0000	0.28	76.16	76.16
Cultivate	2-Row	MFWD 50 hp	0.312	1.00	May	2.17	1.71	0.10	0.63	0.31	3.19				7.80
Hoeing				1.00	May										
Hand Labor	hour									10.00	82.80				82.80
Mow between Rows				0.50	May										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Construct Trellis				1.00	May										
Hand Labor	hour									20.00	165.60				165.60
Wood Post 2.5" x 7'	each											36.0000	2.50	90.00	90.00
Brace Post 2.5" x 7'	each											36.0000	2.50	90.00	90.00
Wire - Blackberry	ft											15840.0000	0.02	316.80	316.80
Rebar Post w/2 bars	each											162.0000	4.48	725.76	725.76
Fabricate rebar post	post											162.0000	5.00	810.00	810.00
Labor rebar post mfg	hour											95.0000	8.26	784.70	784.70
Weed Control				0.33	May										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84				1.92
Surflan AS	qt											0.9900	12.50	12.38	12.38
Simazine 4L	qt											0.3300	3.60	1.19	1.19
Irrigate & Check				1.00	May										
Irrigation Labor	hour									15.50	128.34				128.34
1/2 of water needed	100gal											282.0000	0.28	78.96	78.96
Hoeing				1.00	Jun										
Hand Labor	hour									10.00	82.80				82.80
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Jun	2.93	2.32	0.91	4.33	0.42	4.32				14.81
Amm Nitrate (34%)	cwt											5.5000	16.00	88.00	88.00
Mow between Rows				0.50	Jun										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Weed&Sucker Control				0.33	Jun										
Sprayer - Utility	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84				1.92

Gramoxone Inteon	pt											0.6600	3.68	2.43	2.43
Topping Blackberries				1.00	Jun										

Table 36.B continued... Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 1, establish. yr., 12ft spac., 10gpm, 3,630 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-----			
Pruning labor	hour									4.00	33.12				33.12
Cover Spray Fung Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250	0.50	Jun	0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
Irrigate & Check Irrigation Labor	hour			1.00	Jun					15.00	124.20				124.20
1/2 of water needed	100gal											272.0000	0.28	76.16	76.16
Mow between Rows Rotary Cutter	6ft	MFWD 50 hp	0.572	0.50	Jul	1.99	1.57	0.71	0.63	0.28	2.92				7.82
Weed&Sucker Control Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250	0.33	Jul	0.57	0.45	0.01	0.05	0.08	0.84				1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43	2.43
Irrigate & Check Irrigation Labor	hour			1.00	Jul					15.50	128.34				128.34
1/2 of water needed	100gal											282.0000	0.28	78.96	78.96
Mow between Rows Rotary Cutter	6ft	MFWD 50 hp	0.572	0.50	Aug	1.99	1.57	0.71	0.63	0.28	2.92				7.82
Hoeing Hand Labor	hour			1.00	Aug					10.00	82.80				82.80
Cane Removal Hand Labor	hour			1.00	Aug					5.00	41.40				41.40
Cover Spray Fung Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250	0.50	Aug	0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
Weed&Sucker Control Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250	0.33	Aug	0.57	0.45	0.01	0.05	0.08	0.84				1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43	2.43
Irrigate & Check Irrigation Labor	hour			1.00	Aug					15.50	128.34				128.34
1/2 of water needed	100gal											282.0000	0.28	78.96	78.96
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Sep	2.93	2.32	0.91	4.33	0.42	4.32				14.81
Amm Nitrate (34%)	cwt											5.5000	16.00	88.00	88.00
Mow between Rows Rotary Cutter	6ft	MFWD 50 hp	0.572	0.50	Sep	1.99	1.57	0.71	0.63	0.28	2.92				7.82
Irrigate & Check Irrigation Labor	hour			1.00	Sep					15.00	124.20				124.20

1/2 of water needed	100gal											272.0000	0.28	76.16	76.16
Mow between Rows			0.50	Oct											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Crown Borer Spray			0.50	Oct											

Table 36.B continued... Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 1, establish. yr., 12ft spac., 10gpm, 3,630 row ft, Alabama, MALTAG 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES RATE 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)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Capture 2EC	oz											3.2000	2.59	8.29	8.29
TOTALS						77.27	61.09	21.11	53.23	185.05	1553.71			6953.75	8720.16
INTEREST ON OPERATING CAPITAL															314.57
UNALLOCATED LABOR															22.73
TOTAL SPECIFIED COST															9057.46

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

Table 37.A Summary of estimated costs per acre  
 Blackberry - Irrigated  
 Year 2, (2,000lb yield), 12ft spac., 10gpm, 3,360 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	321.28	1.0000	321.28	_____
FUNGICIDE	acre	372.66	1.0000	372.66	_____
HERBICIDE	acre	17.48	1.0000	17.48	_____
INSECTICIDE	acre	16.58	1.0000	16.58	_____
OTHER	acre	667.26	1.0000	667.26	_____
IRRIGATION SUPPLIES	acre	930.72	1.0000	930.72	_____
Hand Labor	hour	8.28	41.0000	339.48	_____
Harvest Labor	hour	8.28	88.0000	728.64	_____
Irrigation Labor	hour	8.28	91.5000	757.62	_____
Operator Labor	hour	10.21	19.1809	195.86	_____
Pruning labor	hour	8.28	5.0000	41.40	_____
UNALLOCATED LABOR	hour	10.22	3.8361	39.21	_____
DIESEL FUEL	gal	2.41	18.1590	43.84	_____
GASOLINE	gal	2.83	7.2750	20.58	_____
REPAIR & MAINTENANCE	acre	25.50	1.0000	25.50	_____
INTEREST ON OP. CAP.	acre	121.25	1.0000	121.25	_____
				-----	
TOTAL DIRECT EXPENSES				4639.36	_____
TOTAL FIXED EXPENSES				2156.71	_____
				-----	
TOTAL SPECIFIED EXPENSES				6796.07	_____

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

Table 37.B Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 2, (2,000lb yield), 12ft spac., 10gpm, 3,360 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-----				
Dormant Spray				0.50	Feb											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Liquid Lime Sulfur	gal											8.0000	11.41	91.28		91.28
Weed Control				0.33	Feb											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43		2.43
Simazine 4L	qt											0.9900	3.60	3.56		3.56
Mow between Rows				0.50	Mar											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											9.2500	2.16	19.98		19.98
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Mar	2.93	2.32	0.91	4.33	0.42	4.32					14.81
Fert 10-10-10	cwt											6.0000	9.00	54.00		54.00
Crown Borer Spray				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Capture 2EC	oz											3.2000	2.59	8.29		8.29
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Nova 40W	oz											1.0000	3.83	3.83		3.83
Kocide 101	lb											1.0000	2.56	2.56		2.56
Mow between Rows				0.50	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Early Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54
Captan 50 WP	lb											2.0000	3.41	6.82		6.82
Nova 40W	oz											1.0000	3.83	3.83		3.83
Full Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.31	0.81	0.01	0.08	0.12	1.28					2.49
Pristine	oz											11.5000	2.16	24.84		24.84
Weed Control				0.33	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Poast Plus	pt											0.6600	6.37	4.20		4.20





Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Weed&Sucker Control				0.33	Jun											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43		2.43
50% of Yield				1.00	Jun											
Harvest Labor	hour									44.00	364.32					364.32
Clamshell Package	each											1333.0000	0.25	333.25		333.25

Table 37.B continued... Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 2, (2,000lb yield), 12ft spac., 10gpm, 3,360 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-----				
Fruit to Field Edge				6.00	Jun											
Traylor Fruit 4'x6'	trip	4 x 4	1.000			15.23	39.03	0.80	1.73	6.00	61.26					118.05
Cover Spray Fung				0.50	Jun											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											11.5000	2.16	24.84		24.84
Topping Blackberries				1.00	Jun											
Prunning labor	hour									5.00	41.40					41.40
Vine Removal				1.00	Jun											
Brush Blade	7ft	MFWD 50 hp	0.500			3.47	2.74		1.16	0.50	5.11					12.48
Cover Spray Fung				0.50	Jun											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											11.5000	2.16	24.84		24.84
Irrigate & Check				1.00	Jun											
Irrigation Labor	hour									15.00	124.20					124.20
1/2 of water needed	100gal											545.0000	0.28	152.60		152.60
Cover Spray Fung				0.50	Jul											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54
Side Dresser	1R 3ft	2WD 50 hp	0.846	0.50	Jul	2.86	1.82	0.91	4.33	0.42	4.32					14.24
Amm Nitrate (34%)	cwt											5.5000	16.00	88.00		88.00
Hoeing				1.00	Jul											
Hand Labor	hour									10.00	82.80					82.80
Mow between Rows				0.50	Jul											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
25% of Yield				1.00	Jul											
Harvest Labor	hour									22.00	182.16					182.16
Clamshell Package	each											667.0000	0.25	166.75		166.75
Fruit to Field Edge				3.00	Jul											
Traylor Fruit 4'x6'	trip	4 x 4	1.000			7.61	19.52	0.40	0.86	3.00	30.63					59.02
Weed&Sucker Control				0.33	Jul											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43		2.43



TOTAL SPECIFIED COST

6796.07

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

**Table 37.C Breakeven price above total expenses and net returns for price/yield combinations, per acre**  
 Blackberry - Irrigated  
 Year 2, (2,000lb yield), 12ft spac., 10 gpm, 3,360 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Blackberry			2.26	2.42	2.61	2.83	3.08	3.39	3.77	4.24	4.85	5.66	6.79
PERCENT	YIELD	UNIT	-----dollars-----										
50	1000.00	lbs	-2374	-2212	-2025	-1807	-1550	-1241	-863	-391	214	1024	2156
			-4530	-4368	-4182	-3964	-3706	-3398	-3020	-2548	-1941	-1132	0
60	1200.00	lbs	-1920	-1726	-1502	-1241	-932	-561	-108	457	1185	2156	3515
			-4077	-3883	-3659	-3398	-3089	-2718	-2265	-1699	-970	0	1359
70	1400.00	lbs	-1467	-1241	-979	-674	-314	117	646	1307	2156	3289	4875
			-3624	-3398	-3136	-2831	-2471	-2038	-1510	-849	0	1132	2718
80	1600.00	lbs	-1014	-755	-457	-108	303	797	1401	2156	3127	4422	6234
			-3171	-2912	-2613	-2265	-1853	-1359	-755	0	970	2265	4077
90	1800.00	lbs	-561	-270	65	457	921	1477	2156	3006	4098	5554	7593
			-2718	-2427	-2091	-1699	-1235	-679	0	849	1941	3398	5436
100	2000.00	lbs	-108	214	588	1024	1538	2156	2911	3855	5069	6687	8952
			-2265	-1941	-1568	-1132	-617	0	755	1699	2912	4530	6796
110	2200.00	lbs	344	700	1111	1590	2156	2836	3666	4705	6040	7820	10311
			-1812	-1456	-1045	-566	0	679	1510	2548	3883	5663	8155
120	2400.00	lbs	797	1185	1633	2156	2774	3515	4422	5554	7011	8952	11671
			-1359	-970	-522	0	617	1359	2265	3398	4854	6796	9514
130	2600.00	lbs	1250	1671	2156	2723	3392	4195	5177	6404	7981	10085	13030
			-906	-485	0	566	1235	2038	3020	4247	5825	7928	10873
140	2800.00	lbs	1703	2156	2679	3289	4010	4875	5932	7253	8952	11218	14389
			-453	0	522	1132	1853	2718	3775	5097	6796	9061	12232
150	3000.00	lbs	2156	2642	3202	3855	4628	5554	6687	8103	9923	12350	15748
			0	485	1045	1699	2471	3398	4530	5946	7766	10194	13592

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 38.A Summary of estimated costs per acre  
 Blackberry - Irrigated  
 Year 3, (6,000lb yield), 12ft spac., 10gpm, 3,630 row ft,  
 Alabama, MALTAG

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	321.28	1.0000	321.28	_____
FUNGICIDE	acre	372.66	1.0000	372.66	_____
HERBICIDE	acre	17.48	1.0000	17.48	_____
INSECTICIDE	acre	16.58	1.0000	16.58	_____
OTHER	acre	2000.51	1.0000	2000.51	_____
IRRIGATION SUPPLIES	acre	930.72	1.0000	930.72	_____
Hand Labor	hour	8.28	48.0000	397.44	_____
Harvest Labor	hour	8.28	267.0000	2210.76	_____
Irrigation Labor	hour	8.28	91.5000	757.62	_____
Operator Labor	hour	10.21	40.0984	409.43	_____
Pruning labor	hour	8.28	8.0000	66.24	_____
UNALLOCATED LABOR	hour	10.21	8.0196	81.92	_____
DIESEL FUEL	gal	2.41	17.6250	42.55	_____
GASOLINE	gal	2.83	19.9500	56.45	_____
REPAIR & MAINTENANCE	acre	45.88	1.0000	45.88	_____
INTEREST ON OP. CAP.	acre	332.57	1.0000	332.57	_____
				-----	
TOTAL DIRECT EXPENSES				8060.09	_____
TOTAL FIXED EXPENSES				2298.98	_____
				-----	
TOTAL SPECIFIED EXPENSES				10359.07	_____

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

Table 38.B Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 3, (6,000lb yield), 12ft spac., 10gpm, 3,630 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-----				
Dormant Spray				0.50	Feb											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Liquid Lime Sulfur	gal											8.0000	11.41	91.28		91.28
Weed Control				0.33	Feb											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43		2.43
Simazine 4L	qt											0.9900	3.60	3.56		3.56
Mow between Rows				0.50	Mar											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											9.2500	2.16	19.98		19.98
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Mar	2.93	2.32	0.91	4.33	0.42	4.32					14.81
Fert 10-10-10	cwt											6.0000	9.00	54.00		54.00
Crown Borer Spray				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Capture 2EC	oz											3.2000	2.59	8.29		8.29
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Nova 40W	oz											1.0000	3.83	3.83		3.83
Kocide 101	lb											1.0000	2.56	2.56		2.56
Mow between Rows				0.50	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Early Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54
Captan 50 WP	lb											2.0000	3.41	6.82		6.82
Nova 40W	oz											1.0000	3.83	3.83		3.83
Full Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											11.5000	2.16	24.84		24.84
Weed Control				0.33	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Poast Plus	pt											0.6600	6.37	4.20		4.20
Surfactant Non Ionic	pt											0.3300	1.55	0.51		0.51
Petal Fall				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54
Captan 50 WP	lb											2.0000	3.41	6.82		6.82







Irrigation Labor hour 15.50 128.34 128.34

Table 38.B continued... Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 3, (6,000lb yield), 12ft spac., 10gpm, 3,630 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											563.0000	0.28	157.64	157.64
Mow between Rows				0.50	Aug										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Cane Removal				1.00	Aug										
Hand Labor	hour									24.00	198.72				198.72
Vine Removal				1.00	Aug										
Brush Blade	7ft	MFWD 50 hp	0.500			3.47	2.74		1.16	0.50	5.11				12.48
Cover Spray Fung				0.50	Aug										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.31	0.81	0.01	0.08	0.12	1.28				2.49
Pristine	oz											11.5000	2.16	24.84	24.84
Weed&Sucker Control				0.33	Aug										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84				1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43	2.43
Irrigate & Check				1.00	Aug										
Irrigation Labor	hour									15.50	128.34				128.34
1/2 of water needed	100gal											563.0000	0.28	157.64	157.64
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Sep	2.93	2.32	0.91	4.33	0.42	4.32				14.81
Amm Nitrate (34%)	cwt											5.5000	16.00	88.00	88.00
Mow between Rows				0.50	Sep										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Irrigate & Check				1.00	Sep										
Irrigation Labor	hour									15.00	124.20				124.20
1/2 of water needed	100gal											545.0000	0.28	152.60	152.60
Mow between Rows				0.50	Oct										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Crown Borer Spray				0.50	Oct										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Capture 2EC	oz											3.2000	2.59	8.29	8.29
Prorated Establish.	acre				Jan							1.0000			1769.55
Irrigation	acre				Jan							1.0000			244.56
TOTALS						131.84	253.42	13.04	31.45	454.59	3841.49			3659.23	9944.58
INTEREST ON OPERATING CAPITAL															332.57
UNALLOCATED LABOR															81.92
TOTAL SPECIFIED COST															10359.07

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

Table 38.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Blackberry - Irrigated  
 Year 3, (6,000lb yield) , 12ft spac., 10gpm, 3,630 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Blackberry			1.15	1.23	1.32	1.43	1.56	1.72	1.91	2.15	2.46	2.87	3.45
PERCENT	YIELD	UNIT	-----dollars-----										
50	3000.00	lbs	-4607	-4360	-4075	-3743	-3351	-2880	-2305	-1585	-660	572	2298
			-6906	-6659	-6374	-6042	-5650	-5179	-4604	-3884	-2959	-1726	0
60	3600.00	lbs	-3916	-3620	-3278	-2880	-2409	-1844	-1154	-290	819	2298	4370
			-6215	-5919	-5577	-5179	-4708	-4143	-3453	-2589	-1479	0	2071
70	4200.00	lbs	-3225	-2880	-2482	-2017	-1467	-808	-3	1004	2298	4025	6442
			-5524	-5179	-4781	-4316	-3766	-3107	-2302	-1294	0	1726	4143
80	4800.00	lbs	-2535	-2140	-1685	-1154	-526	227	1147	2298	3778	5752	8514
			-4834	-4439	-3984	-3453	-2825	-2071	-1151	0	1479	3453	6215
90	5400.00	lbs	-1844	-1400	-888	-290	415	1263	2298	3593	5258	7478	10586
			-4143	-3699	-3187	-2589	-1883	-1035	0	1294	2959	5179	8287
100	6000.00	lbs	-1154	-660	-91	572	1357	2298	3449	4888	6738	9205	12658
			-3453	-2959	-2390	-1726	-941	0	1151	2589	4439	6906	10359
110	6600.00	lbs	-463	79	705	1435	2298	3334	4600	6183	8218	10931	14729
			-2762	-2219	-1593	-863	0	1035	2302	3884	5919	8632	12430
120	7200.00	lbs	227	819	1502	2298	3240	4370	5752	7478	9698	12658	16801
			-2071	-1479	-796	0	941	2071	3453	5179	7399	10359	14502
130	7800.00	lbs	917	1559	2298	3162	4182	5406	6903	8773	11178	14384	18873
			-1381	-739	0	863	1883	3107	4604	6474	8879	12085	16574
140	8400.00	lbs	1608	2298	3095	4025	5124	6442	8054	10068	12658	16111	20945
			-690	0	796	1726	2825	4143	5755	7769	10359	13812	18646
150	9000.00	lbs	2298	3038	3892	4888	6065	7478	9205	11363	14137	17837	23017
			0	739	1593	2589	3766	5179	6906	9064	11838	15538	20718

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 39.A Summary of estimated costs per acre  
 Blackberry - Irrigated  
 Year 4, (8,000lb yield), 12ft spac., 10gpm, 3,630 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	321.28	1.0000	321.28	_____
FUNGICIDE	acre	358.24	1.0000	358.24	_____
HERBICIDE	acre	17.48	1.0000	17.48	_____
INSECTICIDE	acre	16.58	1.0000	16.58	_____
OTHER	acre	2667.26	1.0000	2667.26	_____
IRRIGATION SUPPLIES	acre	930.72	1.0000	930.72	_____
Hand Labor	hour	8.28	44.0000	364.32	_____
Harvest Labor	hour	8.28	356.0000	2947.68	_____
Irrigation Labor	hour	8.28	91.5000	757.62	_____
Operator Labor	hour	10.21	51.0984	521.74	_____
Pruning labor	hour	8.28	8.0000	66.24	_____
UNALLOCATED LABOR	hour	10.21	10.2196	104.37	_____
DIESEL FUEL	gal	2.41	18.2684	44.11	_____
GASOLINE	gal	2.83	26.4000	74.72	_____
REPAIR & MAINTENANCE	acre	56.53	1.0000	56.53	_____
INTEREST ON OP. CAP.	acre	399.12	1.0000	399.12	_____
				-----	
TOTAL DIRECT EXPENSES				9648.01	_____
TOTAL FIXED EXPENSES				2373.37	_____
				-----	
TOTAL SPECIFIED EXPENSES				12021.38	_____

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

Table 39.B Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 4, (8,000lb yield), 12ft spac., 10gpm, 3,630 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-----				
Dormant Spray				0.50	Feb											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Liquid Lime Sulfur	gal											8.0000	11.41	91.28		91.28
Weed Control				0.33	Feb											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43		2.43
Simazine 4L	qt											0.9900	3.60	3.56		3.56
Mow between Rows				0.50	Mar											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											9.2500	2.16	19.98		19.98
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Mar	2.93	2.32	0.91	4.33	0.42	4.32					14.81
Fert 10-10-10	cwt											6.0000	9.00	54.00		54.00
Crown Borer Spray				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Capture 2EC	oz											3.2000	2.59	8.29		8.29
Cover Spray Fung				0.50	Mar											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Nova 40W	oz											1.0000	3.83	3.83		3.83
Kocide 101	lb											1.0000	2.56	2.56		2.56
Mow between Rows				0.50	Apr											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Early Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54
Captan 50 WP	lb											2.0000	3.41	6.82		6.82
Nova 40W	oz											1.0000	3.83	3.83		3.83
Full Bloom				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											11.5000	2.16	24.84		24.84
Weed Control				0.33	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Poast Plus	pt											0.6600	6.37	4.20		4.20
Surfactant Non Ionic	pt											0.3300	1.55	0.51		0.51
Petal Fall				0.50	Apr											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Switch	oz											7.0000	4.22	29.54		29.54
Captan 50 WP	lb											2.0000	3.41	6.82		6.82
Nova 40W	oz											1.0000	3.83	3.83		3.83

Table 39.B continued.. Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 4, (8,000lb yield), 12ft spac., 10gpm, 3,630 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-----			
Irrigate & Check				1.00	Apr										
Irrigation Labor	hour									15.00	124.20				124.20
1/2 of water needed	100gal											545.0000	0.28	152.60	152.60
Mow between Rows				0.50	May										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Cover Spray Fung				0.50	May										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
Prophyt	pt											2.0000	4.40	8.80	8.80
Hoeing				1.00	May										
Hand Labor	hour									8.00	66.24				66.24
Cover Spray Fung				0.50	May										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Switch	oz											7.0000	4.22	29.54	29.54
Captan 50 WP	lb											2.0000	3.41	6.82	6.82
Nova 40W	oz											1.0000	3.83	3.83	3.83
Cover Spray Fung				0.50	May										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
25% of Yield				1.00	May										
Harvest Labor	hour									89.00	736.92				736.92
Clamshell Package	each											2667.0000	0.25	666.75	666.75
Fruit to Field Edge				11.00	May										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			27.91	71.56	1.47	3.17	11.00	112.31				216.42
Irrigate & Check				1.00	May										
Irrigation Labor	hour									15.50	128.34				128.34
1/2 of water needed	100gal											563.0000	0.28	157.64	157.64
Hoeing				0.50	Jun										
Hand Labor	hour									4.00	33.12				33.12
Cover Spray Fung				0.50	Jun										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											7.0000	2.16	15.12	15.12
Mow between Rows				0.50	Jun										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
Weed&Sucker Control				0.33	Jun										
Sprayer (BC & Wand)	4 ft	2WD 50 hp	0.250			0.56	0.35	0.01	0.05	0.08	0.84				1.81
Gramoxone Inteon	pt											0.6600	3.68	2.43	2.43
50% of Yield				1.00	Jun										
Harvest Labor	hour									178.00	1473.84				1473.84

Table 39.B continued.. Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 4, (8,000lb yield), 12ft spac., 10gpm, 3,630 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-----			
Clamshell Package	each											5333.0000	0.25	1333.25	1333.25
Fruit to Field Edge				22.00	Jun										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			55.83	143.13	2.93	6.33	22.00	224.62				432.84
Cover Spray Fung				0.50	Jun										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
Topping Blackberries				1.00	Jun										
Prunning labor	hour									8.00	66.24				66.24
Vine Removal				1.00	Jun										
Brush Blade	7ft	MFWD 50 hp	0.500			3.47	2.74		1.16	0.50	5.11				12.48
Cover Spray Fung				0.50	Jun										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Pristine	oz											11.5000	2.16	24.84	24.84
Irrigate & Check				1.00	Jun										
Irrigation Labor	hour									15.00	124.20				124.20
1/2 of water needed	100gal											545.0000	0.28	152.60	152.60
Cover Spray Fung				0.50	Jul										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Switch	oz											7.0000	4.22	29.54	29.54
Side Dresser	1R 3ft	2WD 50 hp	0.846	0.50	Jul	2.86	1.82	0.91	4.33	0.42	4.32				14.24
Amm Nitrate (34%)	cwt											5.5000	16.00	88.00	88.00
Hoeing				1.00	Jul										
Hand Labor	hour									8.00	66.24				66.24
Mow between Rows				0.50	Jul										
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92				7.82
25% of Yield				1.00	Jul										
Harvest Labor	hour									89.00	736.92				736.92
Clamshell Package	each											2667.0000	0.25	666.75	666.75
Fruit to Field Edge				11.00	Jul										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			27.91	71.56	1.47	3.17	11.00	112.31				216.42
Weed&Sucker Control				0.33	Jul										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84				1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43	2.43
Cover Spray Fung				0.50	Jul										
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28				2.93
Prophyt	pt											2.0000	4.40	8.80	8.80
Irrigate & Check				1.00	Jul										
Irrigation Labor	hour									15.50	128.34				128.34

1/2 of water needed 100gal 563.0000 0.28 157.64 157.64

Table 39.B continued... Estimated resource use and costs for field operations, per acre  
 Blackberry - Irrigated  
 Year 4, (8,000lb yield), 12ft spac., 10gpm, 3,630 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				0.50	Aug											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Cane Removal				1.00	Aug											
Hand Labor	hour									24.00	198.72					198.72
Vine Removal				1.00	Aug											
Brush Blade	7ft	MFWD 50 hp	0.500			3.47	2.74		1.16	0.50	5.11					12.48
Cover Spray Fung				0.50	Aug											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Pristine	oz											11.5000	2.16	24.84		24.84
Weed&Sucker Control				0.33	Aug											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.57	0.45	0.01	0.05	0.08	0.84					1.92
Gramoxone Inteon	pt											0.6600	3.68	2.43		2.43
Irrigate & Check				1.00	Aug											
Irrigation Labor	hour									15.50	128.34					128.34
1/2 of water needed	100gal											563.0000	0.28	157.64		157.64
Side Dresser	1R 3ft	MFWD 50 hp	0.846	0.50	Sep	2.93	2.32	0.91	4.33	0.42	4.32					14.81
Amm Nitrate (34%)	cwt											5.5000	16.00	88.00		88.00
Mow between Rows				0.50	Sep											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Irrigate & Check				1.00	Sep											
Irrigation Labor	hour									15.00	124.20					124.20
1/2 of water needed	100gal											545.0000	0.28	152.60		152.60
Mow between Rows				0.50	Oct											
Rotary Cutter	6ft	MFWD 50 hp	0.572			1.99	1.57	0.71	0.63	0.28	2.92					7.82
Cover Spray Fung				0.50	Oct											
Sprayer (BC & Wand)	4 ft	MFWD 50 hp	0.250			0.87	0.69	0.01	0.08	0.12	1.28					2.93
Capture 2EC	oz											3.2000	2.59	8.29		8.29
Prorated Establish.	acre				Jan							1.0000				1769.55
Irrigation	acre				Jan							1.0000				244.56
TOTALS						160.86	324.63	14.50	34.63	550.59	4657.60			4311.56		11517.89
INTEREST ON OPERATING CAPITAL																399.12
UNALLOCATED LABOR																104.37
TOTAL SPECIFIED COST																12021.38

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



Table 39.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Blackberry - Irrigated  
 Year 4, (8,000lb yield), 12ft spac., 10gpm, 3,630 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Blackberry			1.00	1.07	1.15	1.25	1.36	1.50	1.66	1.87	2.14	2.50	3.00
PERCENT	YIELD	UNIT	-----dollars-----										
50	4000.00	lbs	-5640	-5354	-5024	-4639	-4183	-3637	-2969	-2134	-1061	369	2373
			-8014	-7728	-7397	-7012	-6557	-6010	-5342	-4508	-3434	-2003	0
60	4800.00	lbs	-4839	-4495	-4099	-3637	-3090	-2435	-1633	-631	656	2373	4777
			-7212	-6869	-6473	-6010	-5464	-4808	-4007	-3005	-1717	0	2404
70	5600.00	lbs	-4038	-3637	-3174	-2635	-1998	-1233	-298	870	2373	4376	7181
			-6411	-6010	-5548	-5008	-4371	-3606	-2671	-1502	0	2003	4808
80	6400.00	lbs	-3236	-2778	-2250	-1633	-905	-30	1037	2373	4090	6380	9586
			-5609	-5152	-4623	-4007	-3278	-2404	-1335	0	1717	4007	7212
90	7200.00	lbs	-2435	-1919	-1325	-631	187	1171	2373	3876	5808	8384	11990
			-4808	-4293	-3698	-3005	-2185	-1202	0	1502	3434	6010	9617
100	8000.00	lbs	-1633	-1061	-400	369	1280	2373	3709	5378	7525	10387	14394
			-4007	-3434	-2774	-2003	-1092	0	1335	3005	5152	8014	12021
110	8800.00	lbs	-832	-202	523	1371	2373	3575	5044	6881	9242	12391	16799
			-3205	-2576	-1849	-1001	0	1202	2671	4508	6869	10017	14425
120	9600.00	lbs	-30	656	1448	2373	3466	4777	6380	8384	10960	14394	19203
			-2404	-1717	-924	0	1092	2404	4007	6010	8586	12021	16829
130	10400.00	lbs	770	1514	2373	3375	4559	5979	7716	9886	12677	16398	21607
			-1602	-858	0	1001	2185	3606	5342	7513	10304	14024	19234
140	11200.00	lbs	1571	2373	3298	4376	5651	7181	9051	11389	14394	18401	24011
			-801	0	924	2003	3278	4808	6678	9016	12021	16028	21638
150	12000.00	lbs	2373	3232	4222	5378	6744	8384	10387	12892	16112	20405	26416
			0	858	1849	3005	4371	6010	8014	10518	13738	18032	24042

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 40.A Summary of estimated costs per acre  
 Peach, 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	41.28	1.0000	41.28	_____
FUNGICIDE	acre	45.28	1.0000	45.28	_____
HERBICIDE	acre	51.98	1.0000	51.98	_____
INSECTICIDE	acre	134.30	1.0000	134.30	_____
OTHER	acre	9.10	1.0000	9.10	_____
FRUIT / NUT	acre	1101.05	1.0000	1101.05	_____
IRRIGATION SUPPLIES	acre	5.88	1.0000	5.88	_____
Hand Labor	hour	8.28	12.6136	104.45	_____
Irrigation Labor	hour	8.28	10.5000	86.94	_____
Operator Labor	hour	10.21	8.1328	83.05	_____
Planting Labor	hour	8.28	8.0000	66.24	_____
Prunning labor	hour	8.28	5.0000	41.40	_____
UNALLOCATED LABOR	hour	10.21	1.6265	16.62	_____
DIESEL FUEL	gal	2.41	11.4984	27.70	_____
GASOLINE	gal	2.83	2.1989	6.20	_____
REPAIR & MAINTENANCE	acre	19.21	1.0000	19.21	_____
INTEREST ON OP. CAP.	acre	109.92	1.0000	109.92	_____
				-----	
TOTAL DIRECT EXPENSES				1950.60	_____
TOTAL FIXED EXPENSES				943.97	_____
				-----	
TOTAL SPECIFIED EXPENSES				2894.57	_____

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

Table 40.B Estimated resource use and costs for field operations, per acre  
 Peach, 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-----			
Hand Labor	hour			1.00	Nov					0.50	4.14				4.14
Soil Test	each											1.0000	6.00	6.00	6.00
Chisel Plow	5 ft	MFWD 50 hp	0.220	1.00	Nov	1.52	1.21	0.22	0.50	0.22	2.25				5.70
Disk Harrow	10 Ft	MFWD 50 hp	0.198	1.00	Nov	1.38	1.09	0.58	1.53	0.19	2.02				6.60
Mark of Rows				1.00	Nov										
Hand Labor	hour									1.00	8.28				8.28
Sub-Soiler	1 shank	MFWD 50 hp	1.078	1.00	Nov	7.48	5.92	0.32	1.04	1.07	11.01				25.77
Utility Vechicle	4 x 4		0.249	1.00	Nov	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Fert 13-13-13	cwt											2.0000	12.00	24.00	24.00
Disk Bed (Hipper)	1-row	MFWD 50 hp	0.750	1.00	Nov	5.20	4.11	0.45	2.11	0.75	7.66				19.53
Fert Appl (Liquid)	4R-6'	MFWD 50 hp	1.309	0.25	Nov	2.27	1.80	2.62	3.67	0.49	4.70				15.06
Telone II	gal											8.7500	13.84	121.10	121.10
Trailer utility	10 ft	MFWD 50 hp	0.600	1.00	Feb	4.16	3.29	0.08	0.37	0.60	6.13				14.03
Planting Labor	hour									8.00	66.24				66.24
Peach Trees	each											145.0000	6.64	962.80	962.80
Grow Tubes	each											145.0000	0.85	123.25	123.25
Irrigate & Check				1.00	Apr										
Irrigation Labor	hour									0.50	4.14				4.14
1/2 of water needed	100gal											1.0000	0.28	0.28	0.28
Utility Vechicle	4 x 4		0.249	1.00	Apr	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.3600	16.00	5.76	5.76
Chemical Mowing				1.00	Apr										
Sprayer- Pull Type	12'	4 x 4	0.500			1.27	3.25	3.20	344.00	0.50	5.11				356.83
Gramoxone Inteon	pt											1.0000	3.68	3.68	3.68
Surfactant Non Ionic	pt											1.0000	1.55	1.55	1.55
Early Weed Control				0.33	Apr										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			0.42	1.07	0.02	0.11	0.16	1.68				3.30
Chateau WDG	oz											1.9602	5.75	11.27	11.27
Weed and Clean				1.00	May										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Hand Labor	hour									2.00	16.56				16.56
Gramoxone Inteon	pt											3.0000	3.68	11.04	11.04
Chemical Mowing				1.00	May										
Sprayer- Pull Type	12'	4 x 4	0.500			1.27	3.25	3.20	344.00	0.50	5.11				356.83
Gramoxone Inteon	pt											1.0000	3.68	3.68	3.68
Surfactant Non Ionic	pt											1.0000	1.55	1.55	1.55
Irrigate & Check				1.00	May										
Irrigation Labor	hour									0.50	4.14				4.14



Table 40.B continued... Estimated resource use and costs for field operations, per acre  
 Peach, 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-----			
Sprayer (BC & Wand)	12 ft	4 x 4	0.500				1.27	3.25	0.05	0.33	0.50	5.11			10.01	
Hand Labor	hour										0.45	3.73			3.73	
Dormant Oil	gal												2.5000	6.00	15.00	
Ferbam	lb												4.0000	11.32	45.28	
Irrigation	acre				Jan								1.0000		194.33	
TOTALS							40.25	48.33	12.86	701.31	44.24	382.08			1388.87	2768.03
INTEREST ON OPERATING CAPITAL																109.92
UNALLOCATED LABOR																16.62
TOTAL SPECIFIED COST																2894.57

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

Table 41.A Summary of estimated costs per acre  
 Peach, 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	25.92	1.0000	25.92	_____
FUNGICIDE	acre	90.56	1.0000	90.56	_____
HERBICIDE	acre	51.98	1.0000	51.98	_____
INSECTICIDE	acre	13.20	1.0000	13.20	_____
OTHER	acre	9.10	1.0000	9.10	_____
FRUIT / NUT	acre	30.00	1.0000	30.00	_____
IRRIGATION SUPPLIES	acre	35.28	1.0000	35.28	_____
Hand Labor	hour	8.28	10.9000	90.26	_____
Irrigation Labor	hour	8.28	10.5000	86.94	_____
Operator Labor	hour	10.21	5.1600	52.71	_____
Pruning labor	hour	8.28	12.0000	99.36	_____
UNALLOCATED LABOR	hour	10.22	1.0320	10.55	_____
DIESEL FUEL	gal	2.41	3.6289	8.74	_____
GASOLINE	gal	2.83	2.2499	6.35	_____
REPAIR & MAINTENANCE	acre	12.81	1.0000	12.81	_____
INTEREST ON OP. CAP.	acre	26.07	1.0000	26.07	_____
				-----	
TOTAL DIRECT EXPENSES				649.83	_____
TOTAL FIXED EXPENSES				918.83	_____
				-----	
TOTAL SPECIFIED EXPENSES				1568.66	_____

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



Table 41.B continued.. Estimated resource use and costs for field operations, per acre  
 Peach, 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-----			
Prunning labor	hour									12.00	99.36				99.3
Limb/Branch Removal				1.00	Jun										
Brush Blade	7ft	MFWD 50 hp	0.500			3.47	2.74		1.16	0.50	5.11				12.48
Hand Labor	hour									1.00	8.28				8.28
Irrigate & Check				4.00	Jul										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											24.0000	0.28	6.72	6.72
Utility Vechicle	4 x 4		0.249	1.00	Jul	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.5400	16.00	8.64	8.64
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Jul	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Irrigate & Check				4.00	Aug										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											24.0000	0.28	6.72	6.72
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Aug	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Hand Labor	hour									2.00	16.56				16.56
Gramoxone Inteon	pt											3.0000	3.68	11.04	11.04
Bore Spray				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
Hand Labor	hour									1.50	12.42				12.42
Lorsban 4E	pt											3.0000	4.40	13.20	13.20
Irrigate & Check				5.00	Sep										
Irrigation Labor	hour									2.50	20.70				20.70
1/2 of water needed	100gal											30.0000	0.28	8.40	8.40
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Oct	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Dormant Spray				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
Hand Labor	hour									0.45	3.73				3.73
Dormant Oil	gal											2.5000	6.00	15.00	15.00
Ferbam	lb											4.0000	11.32	45.28	45.28
Irrigation	acre				Jan							1.0000			194.33
TOTALS						19.27	32.11	8.63	692.39	38.56	329.27			256.04	1532.04
INTEREST ON OPERATING CAPITAL															26.07
UNALLOCATED LABOR															10.55
TOTAL SPECIFIED COST															1568.66

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



Table 42.A Summary of estimated costs per acre  
 Peach, Irrigated  
 Year 3, (3,625lb yield), 20ft spac., 10gpm, 2,178 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	45.36	1.0000	45.36	_____
FUNGICIDE	acre	287.08	1.0000	287.08	_____
HERBICIDE	acre	29.44	1.0000	29.44	_____
INSECTICIDE	acre	98.99	1.0000	98.99	_____
OTHER	acre	9.10	1.0000	9.10	_____
FRUIT / NUT	acre	30.00	1.0000	30.00	_____
IRRIGATION SUPPLIES	acre	58.80	1.0000	58.80	_____
Hand Labor	hour	8.28	28.0000	231.84	_____
Harvest Labor	hour	8.28	24.0000	198.72	_____
Irrigation Labor	hour	8.28	10.5000	86.94	_____
Operator Labor	hour	10.21	13.6148	138.96	_____
Prunning labor	hour	8.28	19.0000	157.32	_____
UNALLOCATED LABOR	hour	10.19	2.7229	27.75	_____
DIESEL FUEL	gal	2.41	11.8768	28.66	_____
GASOLINE	gal	2.83	5.3999	15.26	_____
REPAIR & MAINTENANCE	acre	27.56	1.0000	27.56	_____
INTEREST ON OP. CAP.	acre	65.17	1.0000	65.17	_____
				-----	
TOTAL DIRECT EXPENSES				1536.95	_____
TOTAL FIXED EXPENSES				987.89	_____
				-----	
TOTAL SPECIFIED EXPENSES				2524.84	_____

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





Table 42.B continued.. Estimated resource use and costs for field operations, per acre  
 Peach, Irrigated  
 Year 3, (3,625lb 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-----			
Harvest Labor	hour									24.00	198.72				198.72
Fruit to Field Edge				6.00	Jul										
Trailer Fruit 4'x6'	trip	4 x 4	1.000			15.23	39.03	0.80	1.73	6.00	61.26				118.05
Irrigate & Check				4.00	Aug										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											40.0000	0.28	11.20	11.20
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Aug	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Hand Labor	hour									2.00	16.56				16.56
Gramoxone Inteon	pt											3.0000	3.68	11.04	11.04
Bore Spray				1.00	Aug										
Sprayer (Broadcast)	12 ft	4 x 4	0.500			1.27	3.25	0.05	0.33	0.50	5.11				10.01
Hand Labor	hour									1.50	12.42				12.42
Lorsban 4E	pt											3.0000	4.40	13.20	13.20
Irrigate & Check				5.00	Sep										
Irrigation Labor	hour									2.50	20.70				20.70
1/2 of water needed	100gal											50.0000	0.28	14.00	14.00
Utility Vechicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.6000	16.00	9.60	9.60
Utility Vechicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Potash (60% K20)	cwt											0.3000	13.00	3.90	3.90
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Oct	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Dormant Spray				1.00	Nov										
Sprayer A-B Orchard	16' 300gal	MFWD 50 hp	0.286			1.99	1.57	0.61	1.37	0.28	2.92				8.46
Dormant Oil	gal											2.5000	6.00	15.00	15.00
Ferbam	lb											4.0000	11.32	45.28	45.28
Irrigation	acre				Jan							1.0000			194.33
TOTALS						54.85	83.82	16.63	709.74	95.11	813.78			558.77	2431.92
INTEREST ON OPERATING CAPITAL															65.17
UNALLOCATED LABOR															27.75
TOTAL SPECIFIED COST															2524.84

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

Table 42.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Peach, Irrigated  
 Year 3, (3,625lb yield), 20ft spac., 10gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Peach - basket			5.57	5.97	6.43	6.96	7.60	8.36	9.28	10.45	11.94	13.93	16.72
PERCENT	YIELD	UNIT	-----dollars-----										
50	151.00	121b	-695	-635	-565	-484	-389	-274	-134	41	266	567	987
			-1683	-1623	-1553	-1472	-1377	-1262	-1122	-946	-721	-420	0
60	181.20	121b	-527	-454	-371	-274	-159	-22	146	356	627	987	1492
			-1514	-1442	-1359	-1262	-1147	-1009	-841	-631	-360	0	504
70	211.40	121b	-358	-274	-177	-64	69	230	426	672	987	1408	1997
			-1346	-1262	-1165	-1052	-918	-757	-561	-315	0	420	1009
80	241.60	121b	-190	-94	16	146	299	482	707	987	1348	1829	2502
			-1178	-1082	-971	-841	-688	-504	-280	0	360	841	1514
90	271.80	121b	-22	86	211	356	528	735	987	1303	1709	2250	3007
			-1009	-901	-776	-631	-459	-252	0	315	721	1262	2019
100	302.00	121b	146	266	405	567	758	987	1268	1619	2069	2671	3512
			-841	-721	-582	-420	-229	0	280	631	1082	1683	2524
110	332.20	121b	314	446	599	777	987	1240	1548	1934	2430	3091	4017
			-673	-541	-388	-210	0	252	561	946	1442	2104	3029
120	362.40	121b	482	627	793	987	1217	1492	1829	2250	2791	3512	4522
			-504	-360	-194	0	229	504	841	1262	1803	2524	3534
130	392.60	121b	651	807	987	1198	1446	1745	2110	2565	3152	3933	5027
			-336	-180	0	210	459	757	1122	1578	2164	2945	4039
140	422.80	121b	819	987	1182	1408	1676	1997	2390	2881	3512	4354	5532
			-168	0	194	420	688	1009	1402	1893	2524	3366	4544
150	453.00	121b	987	1168	1376	1619	1906	2250	2671	3197	3873	4775	6037
			0	180	388	631	918	1262	1683	2209	2885	3787	5049

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 43.A Summary of estimated costs per acre  
 Peach, Irrigated  
 Year 4, (10,875lb yield), 20ft spac.,10gpm, 2,178 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	56.61	1.0000	56.61	_____
FUNGICIDE	acre	287.08	1.0000	287.08	_____
HERBICIDE	acre	29.44	1.0000	29.44	_____
INSECTICIDE	acre	98.99	1.0000	98.99	_____
OTHER	acre	9.10	1.0000	9.10	_____
FRUIT / NUT	acre	30.00	1.0000	30.00	_____
IRRIGATION SUPPLIES	acre	82.32	1.0000	82.32	_____
Hand Labor	hour	8.28	84.0000	695.52	_____
Harvest Labor	hour	8.28	51.0000	422.28	_____
Irrigation Labor	hour	8.28	10.5000	86.94	_____
Operator Labor	hour	10.21	24.6148	251.27	_____
Pruning labor	hour	8.28	29.0000	240.12	_____
UNALLOCATED LABOR	hour	10.19	4.9229	50.21	_____
DIESEL FUEL	gal	2.41	11.8768	28.66	_____
GASOLINE	gal	2.83	11.9999	33.94	_____
REPAIR & MAINTENANCE	acre	38.26	1.0000	38.26	_____
INTEREST ON OP. CAP.	acre	108.06	1.0000	108.06	_____
				-----	
TOTAL DIRECT EXPENSES				2548.80	_____
TOTAL FIXED EXPENSES				1062.62	_____
				-----	
TOTAL SPECIFIED EXPENSES				3611.42	_____

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







Table 43.B continued.. Estimated resource use and costs for field operations, per acre  
 Peach, Irrigated  
 Year 4, (10,875lb 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-----			
Harvest Labor	hour									51.00	422.28				422.28
Fruit to Field Edge				17.00	Jul										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			43.14	110.60	2.27	4.89	17.00	173.57				334.47
Irrigate & Check				4.00	Aug										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											56.0000	0.28	15.68	15.68
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Aug	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Hand Labor	hour									2.00	16.56				16.56
Gramoxone Inteon	pt											3.0000	3.68	11.04	11.04
Bore Spray				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
Hand Labor	hour									1.50	12.42				12.42
Lorsban 4E	pt											3.0000	4.40	13.20	13.20
Irrigate & Check				5.00	Sep										
Irrigation Labor	hour									2.50	20.70				20.70
1/2 of water needed	100gal											70.0000	0.28	19.60	19.60
Utility Vechicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.7500	16.00	12.00	12.00
Utility Vechicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Potash (60% K20)	cwt											0.4000	13.00	5.20	5.20
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Oct	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Dormant Spray				1.00	Nov										
Sprayer A-B Orchard	16' 300gal	MFWD 50 hp	0.286			1.99	1.57	0.61	1.37	0.28	2.92				8.46
Dormant Oil	gal											2.5000	6.00	15.00	15.00
Ferbam	lb											4.0000	11.32	45.28	45.28
Irrigation	acre				Jan							1.0000			194.33
TOTALS						82.76	155.39	18.10	712.90	199.11	1696.13			593.54	3453.15
INTEREST ON OPERATING CAPITAL															108.06
UNALLOCATED LABOR															50.21
TOTAL SPECIFIED COST															3611.42

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

Table 43.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Peach, Irrigated  
 Year 4, (10,875lb yield), 20ft spac.,10 gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Peach - basket			2.65	2.84	3.06	3.32	3.62	3.98	4.42	4.98	5.69	6.64	7.97
PERCENT	YIELD	UNIT	-----dollars-----										
50	453.00	121b	-1344	-1259	-1159	-1044	-907	-743	-542	-291	30	460	1062
			-2407	-2321	-2222	-2106	-1969	-1805	-1605	-1354	-1031	-601	0
60	543.60	121b	-1104	-1001	-881	-743	-578	-381	-141	159	546	1062	1784
			-2166	-2063	-1944	-1805	-1641	-1444	-1203	-902	-515	0	722
70	634.20	121b	-863	-743	-604	-442	-250	-20	260	611	1062	1664	2507
			-1926	-1805	-1666	-1504	-1313	-1083	-802	-451	0	601	1444
80	724.80	121b	-622	-485	-326	-141	77	340	661	1062	1578	2266	3229
			-1685	-1547	-1389	-1203	-984	-722	-401	0	515	1203	2166
90	815.40	121b	-381	-227	-48	159	405	701	1062	1514	2094	2868	3951
			-1444	-1289	-1111	-902	-656	-361	0	451	1031	1805	2889
100	906.00	121b	-141	30	229	460	734	1062	1463	1965	2610	3470	4674
			-1203	-1031	-833	-601	-328	0	401	902	1547	2407	3611
110	996.60	121b	99	288	507	761	1062	1423	1865	2416	3126	4072	5396
			-963	-773	-555	-300	0	361	802	1354	2063	3009	4333
120	1087.20	121b	340	546	784	1062	1390	1784	2266	2868	3642	4674	6118
			-722	-515	-277	0	328	722	1203	1805	2579	3611	5055
130	1177.80	121b	581	804	1062	1363	1719	2146	2667	3319	4158	5275	6840
			-481	-257	0	300	656	1083	1605	2257	3095	4213	5778
140	1268.40	121b	821	1062	1340	1664	2047	2507	3068	3771	4674	5877	7563
			-240	0	277	601	984	1444	2006	2708	3611	4815	6500
150	1359.00	121b	1062	1320	1618	1965	2375	2868	3470	4222	5189	6479	8285
			0	257	555	902	1313	1805	2407	3159	4127	5417	7222

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 44.A Summary of estimated costs per acre  
 Peach, Irrigated  
 Year 5, (14,500lb yield), 20ft spac.,10gpm, 2,178 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	56.61	1.0000	56.61	_____
FUNGICIDE	acre	287.08	1.0000	287.08	_____
HERBICIDE	acre	29.44	1.0000	29.44	_____
INSECTICIDE	acre	98.99	1.0000	98.99	_____
OTHER	acre	9.10	1.0000	9.10	_____
FRUIT / NUT	acre	30.00	1.0000	30.00	_____
IRRIGATION SUPPLIES	acre	111.72	1.0000	111.72	_____
Hand Labor	hour	8.28	108.0000	894.24	_____
Harvest Labor	hour	8.28	68.0000	563.04	_____
Irrigation Labor	hour	8.28	10.5000	86.94	_____
Operator Labor	hour	10.21	30.6148	312.53	_____
Pruning labor	hour	8.28	29.0000	240.12	_____
UNALLOCATED LABOR	hour	10.20	6.1229	62.47	_____
DIESEL FUEL	gal	2.41	11.8768	28.66	_____
GASOLINE	gal	2.83	15.5999	44.12	_____
REPAIR & MAINTENANCE	acre	44.10	1.0000	44.10	_____
INTEREST ON OP. CAP.	acre	127.63	1.0000	127.63	_____
				-----	
TOTAL DIRECT EXPENSES				3026.79	_____
TOTAL FIXED EXPENSES				1103.38	_____
				-----	
TOTAL SPECIFIED EXPENSES				4130.17	_____

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





Table 44.B continued... Estimated resource use and costs for field operations, per acre  
 Peach, Irrigated  
 Year 5, (14,500lb 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-----			
Harvest Labor	hour									68.00	563.04				563.04
Fruit to Field Edge				23.00	Jul										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			58.36	149.63	3.07	6.62	23.00	234.83				452.51
Irrigate & Check				4.00	Aug										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											76.0000	0.28	21.28	21.28
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Aug	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Hand Labor	hour									2.00	16.56				16.56
Gramoxone Inteon	pt											3.0000	3.68	11.04	11.04
Bore Spray				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
Hand Labor	hour									1.50	12.42				12.42
Lorsban 4E	pt											3.0000	4.40	13.20	13.20
Irrigate & Check				5.00	Sep										
Irrigation Labor	hour									2.50	20.70				20.70
1/2 of water needed	100gal											95.0000	0.28	26.60	26.60
Utility Vehicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.7500	16.00	12.00	12.00
Utility Vehicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Potash (60% K20)	cwt											0.4000	13.00	5.20	5.20
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Oct	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Dormant Spray				1.00	Nov										
Sprayer A-B Orchard	16' 300gal	MFWD 50 hp	0.286			1.99	1.57	0.61	1.37	0.28	2.92				8.46
Dormant Oil	gal											2.5000	6.00	15.00	15.00
Ferbam	lb											4.0000	11.32	45.28	45.28
Irrigation	acre				Jan							1.0000			194.33
TOTALS						97.98	194.42	18.90	714.63	246.11	2096.87			622.94	3940.07
INTEREST ON OPERATING CAPITAL															127.63
UNALLOCATED LABOR															62.47
TOTAL SPECIFIED COST															4130.17

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

Table 44.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Peach, Irrigated  
 Year 5, (14,500lb yield), 20ft spac.,10 gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Peach - basket			2.27	2.44	2.63	2.84	3.10	3.41	3.79	4.27	4.88	5.69	6.83
PERCENT	YIELD	UNIT	-----dollars-----										
50	604.00	121b	-1650	-1551	-1438	-1305	-1149	-961	-732	-445	-76	415	1103
			-2753	-2655	-2541	-2409	-2252	-2065	-1835	-1548	-1180	-688	0
60	724.80	121b	-1374	-1256	-1120	-961	-773	-548	-273	70	513	1103	1929
			-2478	-2360	-2223	-2065	-1877	-1652	-1376	-1032	-590	0	826
70	845.60	121b	-1099	-961	-802	-617	-398	-135	185	587	1103	1791	2755
			-2202	-2065	-1906	-1720	-1501	-1239	-917	-516	0	688	1652
80	966.40	121b	-824	-666	-485	-273	-23	277	644	1103	1693	2480	3581
			-1927	-1770	-1588	-1376	-1126	-826	-458	0	590	1376	2478
90	1087.20	121b	-548	-371	-167	70	352	690	1103	1619	2283	3168	4407
			-1652	-1475	-1270	-1032	-750	-413	0	516	1180	2065	3304
100	1208.00	121b	-273	-76	150	415	727	1103	1562	2135	2873	3856	5233
			-1376	-1180	-953	-688	-375	0	458	1032	1770	2753	4130
110	1328.80	121b	2	218	467	759	1103	1516	2021	2652	3463	4545	6059
			-1101	-885	-635	-344	0	413	917	1548	2360	3441	4956
120	1449.60	121b	277	513	785	1103	1478	1929	2480	3168	4053	5233	6885
			-826	-590	-317	0	375	826	1376	2065	2950	4130	5782
130	1570.40	121b	552	808	1103	1447	1854	2342	2939	3684	4643	5921	7711
			-550	-295	0	344	750	1239	1835	2581	3540	4818	6608
140	1691.20	121b	828	1103	1421	1791	2229	2755	3397	4201	5233	6610	8537
			-275	0	317	688	1126	1652	2294	3097	4130	5506	7434
150	1812.00	121b	1103	1398	1738	2135	2605	3168	3856	4717	5823	7298	9363
			0	295	635	1032	1501	2065	2753	3613	4720	6195	8260

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 45.A Summary of estimated costs per acre  
 Peach, Irrigated  
 Year 6, (18,125lb yield), 20ft spac.,10gpm, 2,178 row ft,  
 Alabama, MALTAG 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	56.61	1.0000	56.61	_____
FUNGICIDE	acre	287.08	1.0000	287.08	_____
HERBICIDE	acre	29.44	1.0000	29.44	_____
INSECTICIDE	acre	98.99	1.0000	98.99	_____
OTHER	acre	9.10	1.0000	9.10	_____
FRUIT / NUT	acre	30.00	1.0000	30.00	_____
IRRIGATION SUPPLIES	acre	141.12	1.0000	141.12	_____
Hand Labor	hour	8.28	108.0000	894.24	_____
Harvest Labor	hour	8.28	85.0000	703.80	_____
Irrigation Labor	hour	8.28	10.5000	86.94	_____
Operator Labor	hour	10.21	36.6148	373.79	_____
Prunning labor	hour	8.28	29.0000	240.12	_____
UNALLOCATED LABOR	hour	10.20	7.3229	74.72	_____
DIESEL FUEL	gal	2.41	11.8768	28.66	_____
GASOLINE	gal	2.83	19.1999	54.31	_____
REPAIR & MAINTENANCE	acre	49.94	1.0000	49.94	_____
INTEREST ON OP. CAP.	acre	137.06	1.0000	137.06	_____
				-----	
TOTAL DIRECT EXPENSES				3295.92	_____
TOTAL FIXED EXPENSES				1069.60	_____
				-----	
TOTAL SPECIFIED EXPENSES				4365.52	_____

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







Table 45.B continued... Estimated resource use and costs for field operations, per acre  
 Peach, Irrigated  
 Year 6, (18,125lb 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-----			
Harvest Labor	hour									85.00	703.80				703.80
Fruit to Field Edge				29.00	Jul										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			73.59	188.67	3.87	8.35	29.00	296.09				570.57
Irrigate & Check				4.00	Aug										
Irrigation Labor	hour									2.00	16.56				16.56
1/2 of water needed	100gal											96.0000	0.28	26.88	26.88
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Aug	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Weed and Clean				1.00	Aug										
Sprayer (BC & Wand)	4 ft	4 x 4	0.250			0.63	1.63	0.03	0.16	0.25	2.55				5.00
Hand Labor	hour									2.00	16.56				16.56
Gramoxone Inteon	pt											3.0000	3.68	11.04	11.04
Bore Spray				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
Hand Labor	hour									1.50	12.42				12.42
Lorsban 4E	pt											3.0000	4.40	13.20	13.20
Irrigate & Check				5.00	Sep										
Irrigation Labor	hour									2.50	20.70				20.70
1/2 of water needed	100gal											120.0000	0.28	33.60	33.60
Utility Vechicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Amm Nitrate (34%)	cwt											0.7500	16.00	12.00	12.00
Utility Vechicle	4 x 4		0.249	1.00	Sep	0.63	1.62			0.25	2.55				4.80
Hand Labor	hour									1.00	8.28				8.28
Potash (60% K20)	cwt											0.4000	13.00	5.20	5.20
Rotary Cutter	7 ft	MFWD 50 hp	0.169	1.00	Oct	1.17	0.93	0.50	0.44	0.16	1.73				4.77
Dormant Spray				1.00	Nov										
Sprayer A-B Orchard	16' 300gal	MFWD 50 hp	0.286			1.99	1.57	0.61	1.37	0.28	2.92				8.46
Dormant Oil	gal											2.5000	6.00	15.00	15.00
Ferbam	lb											4.0000	11.32	45.28	45.28
Irrigation	acre				Jan							1.0000			119.78
TOTALS						113.21	233.46	19.70	716.36	269.11	2298.89			652.34	4153.74
INTEREST ON OPERATING CAPITAL															137.06
UNALLOCATED LABOR															74.72
TOTAL SPECIFIED COST															4365.52

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

Table 45.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Peach, Irrigated  
 Year 6, (18,125lb yield), 20ft spac.,10gpm, 2,178 row ft, Alabama, MALTAG 2008

			-----BREAKEVEN PRICE-----										
Peach - basket			1.92	2.06	2.22	2.40	2.62	2.89	3.21	3.61	4.13	4.81	5.78
PERCENT	YIELD	UNIT	-----dollars-----										
50	755.00	121b	-1840	-1736	-1616	-1476	-1311	-1113	-870	-567	-177	342	1069
			-2910	-2806	-2686	-2546	-2381	-2182	-1940	-1637	-1247	-727	0
60	906.00	121b	-1549	-1424	-1281	-1113	-914	-676	-385	-21	445	1069	1942
			-2619	-2494	-2350	-2182	-1984	-1746	-1455	-1091	-623	0	873
70	1057.00	121b	-1258	-1113	-945	-749	-517	-240	99	523	1069	1797	2815
			-2328	-2182	-2014	-1818	-1587	-1309	-970	-545	0	727	1746
80	1208.00	121b	-967	-801	-609	-385	-120	196	584	1069	1693	2524	3688
			-2037	-1870	-1679	-1455	-1190	-873	-485	0	623	1455	2619
90	1359.00	121b	-676	-489	-273	-21	275	633	1069	1615	2316	3252	4562
			-1746	-1559	-1343	-1091	-793	-436	0	545	1247	2182	3492
100	1510.00	121b	-385	-177	62	342	672	1069	1554	2160	2940	3979	5435
			-1455	-1247	-1007	-727	-396	0	485	1091	1870	2910	4365
110	1661.00	121b	-94	134	397	705	1069	1506	2039	2706	3564	4707	6308
			-1164	-935	-671	-363	0	436	970	1637	2494	3637	5238
120	1812.00	121b	196	445	733	1069	1466	1942	2524	3252	4187	5435	7181
			-873	-623	-335	0	396	873	1455	2182	3118	4365	6111
130	1963.00	121b	487	757	1069	1433	1863	2379	3009	3798	4811	6162	8054
			-582	-311	0	363	793	1309	1940	2728	3741	5093	6984
140	2114.00	121b	778	1069	1405	1797	2260	2815	3494	4343	5435	6890	8927
			-291	0	335	727	1190	1746	2425	3274	4365	5820	7857
150	2265.00	121b	1069	1381	1741	2160	2657	3252	3979	4889	6058	7617	9800
			0	311	671	1091	1587	2182	2910	3819	4989	6548	8731

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 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 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



Rotary Cutter	6ft	MFWD 50 hp 0.572	3.97	3.14	1.43	1.26	0.57	5.85	15.65
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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-----				
Pruning & 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 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											
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 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
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									4073.0033	724.44					33724.44
Muscadine (lug)	12lb											1358.0000	4.25	5771.50		5771.50
Fruit to Field Edge				34.00	Aug											
Trailor 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 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						135.43	289.25	14.20	29.354	276.71	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-----				
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 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.



Appendix Table 1. Estimated fuel prices and Interest Rates.  
Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.41
Electricity	kWh	0.14
Gasoline	gal	2.87
LP Gas	gal	1.80
Natural Gas	Mcf	0.00
INTEREST RATES		
Short-term	%	8.50
Intermediate-term	%	8.50

Appendix Table 2. Labor Names, Units and Wage Rates. Alabama, Malta 2008

Item name	Unit	Wage Rate
Operator Labor	hour	9.41
Harvest Labor	hour	8.00
Planting Labor	hour	8.00
Grade & Pack Labor	hour	8.00
Marketing Labor	hour	8.00
Hand &Storage Labor	hour	8.00
Hand Labor	hour	8.00
Fertigation Labor	hour	8.00
Harvest & Pack Labor	hour	8.00
Harvest Labor Beans	hour	8.00
Labor Bean Trailer	hour	8.00
Grd. Labor S. Peas	hour	8.00
Traylor Labor S.Peas	hour	8.00
TraylorLabor Cabbage	hour	8.00
Harv.Labor S.Cabbage	Box	1.35
Labor Mulch Cleanup	hour	8.00
Grd Labor Lima Beans	hour	8.00
Grad Labor S. Beans	hour	8.00
Refresh Stawberries	hour	8.00
SBerry Pallet Pkging	hour	8.00
Sweet Potato Labor	hour	10.00
Skid Loader Labor-2	hour	21.00
Irrigation Labor	hour	8.00
Prunning Labor	hour	8.00

Appendix Table 3. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour. Alabama, MALTAG 2008

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Tractor (40-59hp)Cab	2WD 50 hp	27,788	600	8	2.57	9.41	6.20	0.86	16.48	6.50	22.98
Tractor (40-59hp)Cab	MFWD 50 hp	32,118	600	8	2.57	9.41	6.20	1.00	16.61	7.51	24.13
Tractor (40-59hp)RB	2WD 50 hp	18,914	600	8	2.57	9.41	6.20	0.59	16.20	4.42	20.62
Tractor (40-59hp)RB	MFWD 50 hp	23,837	600	8	2.57	9.41	6.20	0.74	16.35	5.57	21.93
Tractor (60-89hp)CAB	2WD 75 hp	37,673	600	8	3.86	9.41	9.30	1.17	19.89	8.81	28.70
Tractor (60-89hp)CAB	MFWD 75 hp	43,768	600	8	3.86	9.41	9.30	1.36	20.08	10.24	30.32
Tractor (60-89hp)RB	2WD 75 hp	29,457	600	8	3.86	9.41	9.30	0.92	19.63	6.89	26.52
Tractor (60-89hp)RB	MFWD 75 hp	34,465	600	8	3.86	9.41	9.30	1.07	19.79	8.06	27.85
Tractor(120-139hp)CB	MFWD 130	86,888	600	8	6.69	9.41	16.12	2.71	28.25	20.33	48.58
Tractor(160-179hp)CB	MFWD 170	114,517	600	8	8.75	9.41	21.08	3.57	34.07	27.67	61.75
Utility Vehicle	20 hp	10,599	200	13	0.60	9.41	1.72	0.81	11.94	6.31	18.26

## Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

Appendix Table 4. Self-Propelled Machines: Estimated Purchase Price, Annual Use, Useful Life, Fuel Use, Performance Rate, and Direct and Fixed Cost per Acre. Alabama, MALTAG 2008

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Fork Lift		29,550	1000	10	1.07	2.220	20.89	4.27	1.24	26.41	9.11	35.52
Riding Mower	42" cut	2,799	12	10	2.00	0.708	6.67	4.06	4.96	15.70	21.85	37.55
Sprayer (300-450GAL)	60 ft	77,512	350	8	5.66	0.017	0.23	0.24	0.07	0.55	0.58	1.13
Truck	1 ton +	34,063	780	5	0.72	1.730	16.27	3.00	1.05	20.33	15.34	35.68
Truck	1/2 ton	27,892	1040	5	1.36	2.310	21.73	9.01	1.85	32.61	12.58	45.19
Utility Vehicle	4 x 4	10,599	200	13	0.60	0.249	2.35	0.43	0.20	2.98	1.57	4.56

## Notes:

Labor: includes allocated labor plus any additional labor from self-propelled machine.

Direct: Does not include interest on operating capital.

Appendix Table 5. Implements: Estimated Purchase Price, Annual Use, Useful Life, Performance Rate, and Direct and Fixed Cost Per Acre. Alabama, MALTAG 2008

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---	Total	--Fixed---	Total		
			dollars	hours	years	hr/ac	-----\$/acre-----							
									Imp. P.U.	Direct	Imp. P.U.	Cost		
ATV trailer 4'x6'	trip	20 hp	1	10	1	0.500	4.70	0.86	0.00	0.40	5.97	0.05	3.15	9.18
Auger	18"	2WD 50 hp	395	500	20	2.000	18.82	12.40	0.00	1.73	32.96	0.16	13.00	46.13
Auger	24"	2WD 50 hp	1,500	80	20	2.000	18.82	12.40	1.59	1.73	34.55	3.88	13.00	51.44
Bd Shaper (Blue B.)	Bed 8ftctr	2WD 75 hp	1,665	40	16	0.808	7.61	7.52	1.01	0.74	16.89	3.74	5.57	26.21
Bd Shaper Cucumber	Bed 4ftctr	2WD 75 hp	1,665	81	16	1.617	15.22	15.04	0.99	1.48	32.75	3.69	11.15	47.60
Bd Shaper Melons	Bed 8ftctr	2WD 75 hp	1,665	40	16	0.808	7.61	7.52	1.01	0.74	16.89	3.74	5.57	26.21
Bd Shaper Squash	Bed 5ftctr	2WD 75 hp	1,665	65	16	1.294	12.17	12.03	0.99	1.19	26.40	3.68	8.92	39.01
Bd Shaper Tomato	Bed 6ftctr	2WD 75 hp	1,665	54	16	1.078	10.14	10.03	0.99	0.99	22.17	3.69	7.43	33.30
Bd Shaper/LayMelon	Bed 8ftctr	2WD 75 hp	3,019	40	16	0.808	14.08	7.52	1.83	0.74	24.18	6.79	5.57	36.54
Bd Shaper/LaySquash	Bed 5ftctr	2WD 75 hp	3,019	65	16	1.294	22.53	12.03	1.80	1.19	37.56	6.68	8.92	53.17
Bd Shaper/LayTomato	Bed 6ftctr	2WD 75 hp	3,019	54	16	1.078	18.77	10.03	1.80	0.99	31.61	6.70	7.43	45.75
Bd Shaper/P-bdMelon	Bed 8ftctr	2WD 75 hp	9,400	40	16	0.808	7.61	7.52	5.70	0.74	21.58	21.32	5.57	48.48
Bd Shaper/P-bdSquash	Bed 5ftctr	2WD 75 hp	9,400	65	16	1.294	12.17	12.03	5.61	1.19	31.02	20.99	8.92	60.93
Bd Shaper/P-bdTomato	Bed 6ftctr	2WD 75 hp	9,400	54	16	1.078	10.14	10.03	5.63	0.99	26.80	21.06	7.43	55.29
Bd Shaper3XCucumber	Bed 4ftctr	2WD 75 hp	4,569	81	16	1.617	28.16	15.04	2.73	1.48	47.43	10.09	11.15	68.68
Bd Shaper3XMelon	Bed 8ftctr	2WD 75 hp	4,569	40	16	0.808	14.08	7.52	2.77	0.74	25.12	10.21	5.57	40.91
Bd Shaper3XSquash	Bed 5ftctr	2WD 75 hp	4,569	65	16	1.294	22.53	12.03	2.72	1.19	38.49	10.06	8.92	57.47
Bd Shaper3XTomato	Bed 6ftctr	2WD 75 hp	4,569	54	16	1.078	18.77	10.03	2.73	0.99	32.53	10.09	7.43	50.06
Bd Shpr/LayCucumber	Bed 4ftctr	2WD 75 hp	3,019	81	16	1.617	28.16	15.04	1.80	1.48	46.51	6.70	11.15	64.36
Bd Shpr/P-bdCucumber	Bed 4ftctr	2WD 75 hp	9,400	81	16	1.617	15.22	15.04	5.63	1.48	37.39	21.06	11.15	69.60
Blade-Scraper	6-7'	2WD 50 hp	1,139	200	20	2.500	23.52	15.50	1.35	2.17	42.55	1.46	16.25	60.27
Brush Blade	9ft	MFWD 50 hp	2,000	100	20	0.500	4.70	3.10	0.25	0.37	8.42	1.02	2.78	12.24
BS, L,T,Fung BPepper	6ftctr	2WD 75 hp	4,943	54	16	1.078	36.03	10.03	2.96	0.99	50.01	10.98	7.43	68.43
BS,L,T,FumigTomato	6ftctr	2WD 75 hp	4,943	54	16	1.078	36.03	10.03	2.96	0.99	50.01	10.98	7.43	68.43
BS,L,T,Fung S Berry	6ftctr	2WD 75 hp	4,943	54	16	1.078	36.03	10.03	2.96	0.99	50.01	10.98	7.43	68.43
BS.lay/tape/Pumpkin	8ftctr	2WD 75 hp	3,273	40	16	0.080	0.76	0.75	0.19	0.07	1.78	0.73	0.55	3.08
BS.lay/tape/Cucumber	4ftctr	2WD 75 hp	3,273	81	16	1.617	15.22	15.04	1.96	1.48	33.72	7.27	11.15	52.14
BS.lay/tape/Melon	8ftctr	2WD 75 hp	3,273	40	16	0.808	7.61	7.52	1.98	0.74	17.86	7.36	5.57	30.80
BS.lay/tape/Squash	5ftctr	2WD 75 hp	3,273	65	16	1.294	12.17	12.03	1.95	1.19	27.36	7.24	8.92	43.53
BS.lay/tape/Tomato	6ftctr	2WD 75 hp	3,273	54	16	1.078	10.14	10.03	1.96	0.99	23.13	7.27	7.43	37.83
Chain Harrow	6 ft	20 hp	367	100	1	0.343	3.23	0.59	0.01	0.28	4.11	1.35	2.17	7.64
Chisel Plow	9 Ft	2WD 75 hp	2,105	150	12	0.220	2.07	2.05	0.16	0.20	4.49	0.37	1.51	6.38
Chisel Plow	5 ft	MFWD 50 hp	1,111	150	12	0.220	2.07	1.36	0.08	0.16	3.68	0.19	1.22	5.11
Chisel Plow Folding	16 ft	MFWD 170	10,736	150	12	0.116	1.09	2.46	0.45	0.41	4.42	1.00	3.22	8.66
Cult + App Herb	4-Row	2WD 75 hp	7,503	150	10	0.193	2.59	1.80	0.38	0.17	4.96	1.28	1.33	7.58
Cult + Apply Ins	2-Row	2WD 75 hp	6,770	150	10	0.390	5.23	3.63	0.70	0.35	9.93	2.33	2.69	14.96
Cult - Rolling+Fert	2 Row	2WD 75 hp	9,641	31	27	0.310	2.92	2.88	1.43	0.28	7.52	9.05	2.14	18.72
Cult - Rolling+Fert	4 Row	2WD 75 hp	17,492	17	27	0.165	2.21	1.53	2.51	0.15	6.42	15.94	1.13	23.50
Cult - Rotary Hoe	12 ft	2WD 75 hp	2,560	32	27	0.214	2.02	1.99	0.25	0.19	4.47	1.61	1.48	7.56

Cult - Rotary Hoe	15 ft	2WD 75 hp	2,858	26	27	0.171	1.61	1.59	0.27	0.15	3.65	1.77	1.18	6.61
Cultipacker	12 Ft	2WD 75 hp	3,115	300	12	0.124	1.17	1.15	0.09	0.11	2.53	0.15	0.85	3.55
Cultivate	2-Row	2WD 75 hp	1,401	59	27	0.390	3.67	3.63	0.13	0.35	7.80	0.86	2.69	11.36

**Appendix Table 5.** Implements: Estimated Purchase Price, Annual Use, Useful Life, Performance Rate, and Direct and Fixed Cost Per Acre. Alabama, MALTAG 2008

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed---		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Cultivate	4-Row	2WD 75 hp	2,134	29	10	0.193	1.82	1.80	0.57	0.17	4.37	1.88	1.33	7.59
Cultivate	4R-38	2WD 50 hp	7,938	150	10	0.193	1.82	1.20	0.41	0.11	3.55	1.35	0.85	5.76
Cultivate	4R-38	2WD 50 hp	7,938	150	10	0.129	1.21	0.80	0.27	0.07	2.36	0.90	0.57	3.84
Cultivate	8R-42	MFWD 130	16,651	150	10	0.073	0.69	1.18	0.32	0.20	2.40	1.08	1.49	4.98
Cultivate+Sidedress	2-Row	2WD 75 hp	4,964	39	27	0.390	5.23	3.63	0.73	0.35	9.96	4.66	2.69	17.32
Cultivate+Sidedress	4-Row	2WD 75 hp	7,261	19	27	0.193	2.59	1.80	1.09	0.17	5.67	6.94	1.33	13.96
Cultivator	1 Row	2WD 75 hp	1,210	110	27	0.736	6.93	6.85	0.12	0.67	14.58	0.75	5.07	20.41
Cultivator - Rolling	2 Row	2WD 75 hp	7,191	47	27	0.310	2.92	2.88	0.70	0.28	6.80	4.45	2.14	13.40
Cultivator - Rolling	4 Row	2WD 75 hp	13,842	25	27	0.165	1.55	1.53	1.35	0.15	4.60	8.57	1.13	14.31
Cyclone Spin	825 Lb	2WD 75 hp	682	50	8	0.084	0.79	0.78	0.04	0.07	1.69	0.18	0.58	2.46
Disk + Incorporate	10 Ft	2WD 75 hp	14,598	200	10	0.206	2.76	1.91	0.90	0.18	5.77	1.98	1.42	9.18
Disk + Incorporate	14 Ft	2WD 75 hp	19,577	200	10	0.147	1.97	1.37	0.86	0.13	4.34	1.90	1.01	7.26
Disk Bed (Hipper)	1-row	2WD 50 hp	3,167	160	10	0.750	7.05	4.65	0.44	0.65	12.80	2.11	4.87	19.79
Disk Bed (Hipper)	2-row	2WD 75 hp	3,167	160	10	0.284	2.67	2.64	0.16	0.26	5.74	0.80	1.95	8.50
Disk Bed (Hipper)	4-Row	2WD 75 hp	5,111	160	10	0.140	1.32	1.31	0.18	0.12	2.94	0.59	0.97	4.51
Disk Bed (Hipper)	8R 40	MFWD 130	18,818	160	10	0.070	0.66	1.13	0.33	0.19	2.32	1.09	1.43	4.85
Disk Bed + Spray PD	8R-40	MFWD 130	18,818	160	10	0.070	0.66	1.13	0.33	0.19	2.32	1.09	1.43	4.85
Disk Bed +App Fert	4-Row	2WD 75 hp	11,885	160	10	0.141	1.89	1.31	0.41	0.12	3.75	1.38	0.97	6.10
Disk Harrow	10 Ft	2WD 75 hp	9,202	180	10	0.198	1.86	1.84	0.50	0.18	4.40	1.34	1.36	7.10
Disk Harrow	14 Ft	2WD 75 hp	14,208	180	10	0.141	1.33	1.31	0.55	0.13	3.34	1.47	0.97	5.79
Disk Harrow	24 ft	MFWD 170	25,699	180	10	0.082	0.77	1.74	0.58	0.29	3.40	1.55	2.28	7.25
Disk Harrow	6ft	MFWD 50 hp	1,111	180	10	0.330	3.11	2.05	0.10	0.24	5.50	0.26	1.84	7.62
Ditcher		2WD 50 hp	4,305	200	10	0.020	0.18	0.12	0.03	0.01	0.35	0.05	0.08	0.50
Fert Appl (Liquid)	4R -6'	MFWD 50 hp	11,985	150	8	1.309	17.56	8.12	10.46	0.97	37.12	14.68	7.30	59.11
Fert Sprd Pull Type	10 ft	2WD 75 hp	4,286	12	10	0.235	2.21	2.19	2.52	0.21	7.15	11.97	1.62	20.75
Fert Sprd Pull Type	12 ft	2WD 75 hp	4,505	10	10	0.196	1.84	1.82	2.65	0.18	6.51	12.59	1.35	20.45
Fert Sprd Pull type	6 ft	2WD 75 hp	3,848	10	10	0.392	3.69	3.65	4.53	0.36	12.24	21.51	2.70	36.46
Fert Sprd Pull Type	8 ft	2WD 75 hp	4,067	15	10	0.294	2.77	2.74	2.39	0.27	8.18	11.36	2.03	21.58
Front end Loader	.5yd	2WD 75 hp	4,205	100	10	0.600	5.64	5.58	0.75	0.55	12.53	3.67	4.13	20.34
Grain Drill	8'	2WD 50 hp	14,201	150	8	0.237	4.13	1.47	1.26	0.14	7.01	3.05	1.05	11.1
Harvester Pecan	61"	2WD 50 hp	19,835	100	15	0.500	4.70	3.10	4.95	0.43	13.19	11.59	3.25	28.04
Harvester,Swt.Potato	2-Row	MFWD 170	29,749	300	15	1.011	58.04	21.32	5.88	3.61	88.86	11.54	27.98	128.38
Mulch Lifter	1 Row	2WD 75 hp	1,710	29	30	0.589	5.54	5.48	0.11	0.54	11.68	3.12	4.06	18.86
Mule Train (Corn)	30 ft	MFWD 75 hp	50,000	12	25	0.229	60.82	2.13	9.54	0.24	72.75	88.44	1.84	163.04
Picker Beans/Peas	1 Row	2WD 75 hp	28,000	179	10	3.571	90.75	33.22	39.10	3.28	166.37	47.48	24.61	238.47
Picker Corn	1 Row	2WD 75 hp	35,000	42	10	0.840	7.90	7.81	21.00	0.77	37.50	59.52	5.79	102.82
Planter/Transplanter	1 Row	2WD 75 hp	2,122	31	19	1.586	53.00	14.76	0.11	1.46	69.34	11.29	10.93	91.57
Plastic Layer Melon	Bd 8ftctr	2WD 75 hp	1,651	40	16	0.808	0.00	0.00	1.00	0.00	1.00	3.71	5.57	10.29
Plastic Layer Squash	Bd 5ftctr	2WD 75 hp	1,651	65	16	1.294	12.17	12.03	1.64	1.19	27.05	3.65	8.92	39.62

Plastic Layer Tomato	Bd 6ftctr	2WD 75 hp	1,651	54	16	1.078	10.14	10.03	1.64	0.99	22.82	3.66	7.43	33.92
Plastic Lyr Cucumber	Bd 4ftctr	2WD 75 hp	1,651	81	16	1.617	15.22	15.04	1.64	1.48	33.40	3.66	11.15	48.22
Plnt-Transplant-H2O	4R 36-48"	2WD 75 hp	11,583	34	17	0.687	55.96	6.39	0.27	0.63	63.27	25.14	4.73	93.15

**Appendix Table 5 continued..** Implements: Estimated Purchase Price, Annual Use, Useful Life, Performance Rate, and Direct and Fixed Cost Per Acre. Alabama, MALTAG 2008

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---	Total	--Fixed---	Total		
			dollars	hours	years	hr/ac	-----\$/acre-----							
									Imp. P.U.	Direct	Imp. P.U.	Cost		
Plnt/Transplants	4R 36-48"	2WD 75 hp	8,995	300	19	0.687	55.96	6.39	0.02	0.63	63.01	2.14	4.73	69.90
Plnt/Transplants	8R 42	MFWD 170	28,192	150	19	0.333	56.46	7.02	0.06	1.19	64.75	6.51	9.22	80.50
Plntr - Vacuum	1 Row	2WD 75 hp	2,923	53	18	1.057	9.95	9.84	2.91	0.97	23.68	6.18	7.29	37.16
Plntr - Vacuum	2 Row	2WD 75 hp	6,415	20	18	0.396	3.73	3.69	6.36	0.36	14.14	13.49	2.73	30.38
Plntr - Vacuum	4 Row	2WD 75 hp	11,871	11	18	0.226	2.13	2.10	12.22	0.20	16.67	25.95	1.56	44.19
Plntr - Vacuum	6 Row	2WD 75 hp	15,388	11	18	0.226	2.13	2.10	15.85	0.20	20.30	33.64	1.56	55.50
Plntr-vacuum+insect	1R	2WD 75 hp	8,292	53	18	1.057	9.95	9.84	8.27	0.97	29.04	17.55	7.29	53.89
Plntr-vacuum+insect	2R30-40	2WD 75 hp	11,784	20	18	0.396	3.73	3.69	11.68	0.36	19.47	24.79	2.73	47.00
Plntr-vacuum+insect	4R30-40"	2WD 75 hp	17,240	11	18	0.226	2.13	2.10	17.76	0.20	22.21	37.69	1.56	61.46
Plntr-vacuum+insect	6R30-40"	2WD 75 hp	20,757	11	18	0.158	1.49	1.47	14.96	0.14	18.08	31.76	1.09	50.94
Plntr-vacuum+insect	bed 4ftctr	2WD 75 hp	8,292	40	18	0.793	7.46	7.38	8.22	0.73	23.79	17.44	5.46	46.71
Plntr-vacuum+insect	Bed 5ftctr	2WD 75 hp	8,292	32	18	0.634	5.97	5.90	8.22	0.58	20.68	17.44	4.37	42.50
Plntr-vacuum+insect	Bed 6ftctr	2WD 75 hp	8,292	26	18	0.528	4.97	4.92	8.43	0.48	18.81	17.89	3.64	40.35
Plntr-vacuum+insect	Bed 8ftctr	2WD 75 hp	8,292	20	18	0.396	3.73	3.69	8.22	0.36	16.00	17.44	2.73	36.19
Plntr/H2O Cucumber	1R 4ftctr	2WD 75 hp	2,018	129	17	2.578	86.13	23.98	2.01	2.37	114.51	4.34	17.77	136.62
Plntr/H2O Cucumber	2R 4ftctr	2WD 75 hp	3,908	129	17	2.578	127.38	23.98	3.90	2.37	157.64	8.40	17.77	183.82
Plntr/H2O Melon	1R 8ftctr	2WD 75 hp	2,018	64	17	0.645	21.55	6.00	1.01	0.59	29.16	2.18	4.44	35.80
Plntr/H2O Melon	2R 8ftctr	2WD 75 hp	3,908	64	17	1.289	63.69	11.99	3.93	1.18	80.80	8.47	8.88	98.16
Plntr/H2O Squash	1R 5ftcrt	2WD 75 hp	2,018	103	17	2.062	68.90	19.18	2.02	1.89	92.01	4.34	14.21	110.58
Plntr/H2O Squash	2R 5ftctr	2WD 75 hp	3,908	103	17	2.062	101.90	19.18	3.91	1.89	126.90	8.42	14.21	149.54
Plntr/H2O Tomato	1R 6ftcrt	2WD 75 hp	2,018	86	17	1.718	57.42	15.99	2.01	1.58	77.01	4.34	11.84	93.20
Plntr/H2O Tomato	2R 6ftctr	2WD 75 hp	3,908	86	17	1.718	84.92	15.99	3.90	1.58	106.40	8.40	11.84	126.65
Plntr/H2O Wheel	2 Row	2WD 75 hp	3,908	74	17	1.473	72.79	13.70	3.89	1.35	91.74	8.37	10.15	110.27
Plntr/H20/pnch/seed	1Row	2WD 75 hp	3,620	129	17	2.578	44.88	23.98	3.61	2.37	74.86	7.78	17.77	100.42
Plntr/H20/pnch/seed	2R18-60"	2WD 75 hp	7,240	129	17	1.586	27.62	14.76	4.45	1.46	48.29	9.58	10.93	68.81
Rotary Cutter	6 ft	MFWD 50 hp	2,000	185	10	0.572	5.39	3.55	0.92	0.42	10.30	0.81	3.19	14.31
Rotary Cutter	7 ft	2WD 75 hp	3,686	185	10	0.169	1.59	1.57	0.50	0.15	3.83	0.44	1.16	5.44
Rotary Tiller	5 ft	2WD 75 hp	2,686	49	18	0.970	9.13	9.02	3.72	0.89	22.78	5.63	6.69	35.10
Shaker Pecan PTO	up to 38"	2WD 50 hp	6,585	50	15	0.500	4.70	3.10	2.19	0.43	10.43	7.69	3.25	21.38
Side Dresser	1R 3ft	2WD 75 hp	2,390	42	10	0.846	7.96	7.87	1.44	0.77	18.05	6.85	5.83	30.74
Side Dresser	2R 6ft	2WD 75 hp	3,563	21	10	0.423	0.00	0.00	2.15	0.00	2.15	10.21	2.91	15.28
Side Dresser	4R 40"	2WD 75 hp	5,127	10	10	0.195	0.00	0.00	3.00	0.00	3.00	14.24	1.34	18.59
Spray (Broadcast)	27'	2WD 50 hp	5,369	200	8	0.062	0.84	0.38	0.15	0.03	1.42	0.23	0.27	1.93
Spray (Broadcast)	60 ft	MFWD 130	7,479	200	8	0.028	0.37	0.45	0.09	0.07	1.00	0.14	0.57	1.73
Sprayer (Band)	12'	MFWD 50 hp	10	200	5	0.352	3.31	2.18	0.00	0.26	5.76	0.00	1.96	7.73
Sprayer (BC & Wand)	12 ft	20 hp	473	200	5	0.500	4.70	0.86	0.04	0.40	6.02	0.29	3.15	9.47
Sprayer (BC & Wand)	4 ft	20 hp	473	200	5	0.250	2.35	0.43	0.02	0.20	3.01	0.14	1.57	4.73
Sprayer A-B Orchard	16' spray	MFWD 50 hp	7,795	200	16	0.286	2.69	1.77	0.55	0.21	5.24	1.25	1.59	8.09
Sprayer Air Blast	16' spray	2WD 75 hp	7,795	12	16	0.245	2.31	2.28	7.97	0.22	12.79	17.94	1.69	32.43

Sprayer-HD Pull Type	12'	20 hp	888	200	5	0.009	0.08	0.01	0.00	0.00	0.10	0.00	0.05	0.17
Stalk Shredder-Flail	15 ft	2WD 50 hp	13,602	185	10	0.110	1.04	0.68	0.32	0.06	2.12	1.16	0.49	3.77
Sub-Soiler	1 shank	2WD 75 hp	469	54	23	1.078	10.14	10.03	0.28	0.99	21.45	0.91	7.43	29.80

**Appendix Table 5.** Implements: Estimated Purchase Price, Annual Use, Useful Life, Performance Rate, and Direct and Fixed Cost Per Acre. Alabama, MALTAG 2008

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---	Total	--Fixed--	Total
			dollars	hours	years	hr/ac			Imp. P.U.	Direct	Imp. P.U.	Cost
-----\$/acre-----												
Sub-Soiler	2 Shank	2WD 75 hp	1,410	20	23	0.404	3.80	3.76	0.85 0.37	8.79	2.80 2.78	14.38
Take up Reel (Mulch	1 Row	2WD 75 hp	1,691	42	10	0.588	5.53	5.47	0.71 0.54	12.25	3.38 4.05	19.70
Take up Reel (Tape)	1 Roll	2WD 75 hp	1,690	42	10	0.588	0.00	0.00	0.71 0.00	0.71	3.38 4.05	8.14
Trailer - Snap Bean	16 ft	2WD 75 hp	1,648	179	15	3.571	62.17	33.22	1.75 3.28	100.44	3.78 24.61	128.84
Trailer - Vegetables	16 ft	2WD 75 hp	1,648	200	15	0.090	1.56	0.83	0.03 0.08	2.52	0.08 0.62	3.23
Trailer utility	10 ft	2WD 50 hp	985	200	15	0.600	5.64	3.72	0.07 0.35	9.80	0.34 2.65	12.79
Trailer Utility Limb	10 ft	2WD 75 hp	985	200	15	4.000	37.64	37.21	0.52 3.68	79.06	2.26 27.57	108.90
Trailer water	10 ft	2WD 50 hp	1,585	150	10	0.600	5.64	3.72	0.25 0.35	9.97	0.90 2.65	13.53
Trailer(MuleTrn)Corn	16 ft	2WD 75 hp	1,648	12	15	0.229	5.82	2.13	1.67 0.21	9.84	3.62 1.57	15.04
Trailer-Lima/B. Bean	16 ft	2WD 75 hp	1,648	179	15	3.571	62.17	33.22	1.75 3.28	100.44	3.78 24.61	128.84
Trailer-Southern Pea	16 ft	2WD 75 hp	1,648	179	15	3.571	62.17	33.22	1.75 3.28	100.44	3.78 24.61	128.84
Trailer BB Plants	10ft	2WD 75 hp	985	200	15	2.000	18.82	18.60	0.26 1.84	39.53	1.13 13.78	54.45
Trailer-Sweet Potato	16 ft	MFWD 130	1,648	12	15	0.598	5.63	9.65	4.38 1.62	21.30	9.46 12.17	42.94
Wagon (dump) Pecan	12 ft	2WD 50 hp	10,000	50	15	0.333	3.13	2.06	3.72 0.28	9.21	7.78 2.16	19.16

Notes:  
 Labor: Includes labor from Power unit plus additional labor from the implement.  
 Total Direct: Does not include interest on operating capital.

**Appendix Table 6.** Single Durable Inputs: Estimated Purchase Price, Annual Use, Useful Life, Fuel Consumption Rate, Labor, Fuel, R&M, Total Direct, Fixed and Total Cost Per Year. Alabama, MALTAG 2008

Item Name	Unit of Measure	Purchase Price	Annual Use	Useful Life	Fuel Use	Operation Time	Labor	Fuel	R&M Direct	Total	Fixed Cost	Total
dollars hours years gal/hr units/hr \$/yr \$/yr \$/yr \$/yr \$/yr \$/yr												
Bag Sealer LimaBeans	acre	424	50	10	0.00	0.1200	48.00	0.00	27.56	75.56	50.33	125.89
Bag Sealer S. Peas	acre	424	50	10	0.00	0.1000	40.00	0.00	27.56	67.56	50.33	117.89
R.B.Convey LimaBeans	acre	1,920	50	20	0.00	5.0000	0.00	0.00	79.68	79.68	192.96	272.64
R.B.Convey S. Peas	acre	1,920	50	20	0.00	3.0000	0.00	0.00	79.68	79.68	192.96	272.64
R.B.ConveySnapBeans	bu	1,920	200	20	0.00	0.1000	320.00	0.00	79.68	399.68	192.96	592.64
Rot.PakTable L-Beans	acre	1,915	50	30	0.00	5.0000	2000.00	0.00	6.38	2006.38	170.48	2176.86
Rot.Pk Table S Beans	bu	1,915	200	30	0.00	0.1000	16.00	0.00	6.38	22.38	170.48	192.86
Rot.Pk.Table S Peas	acre	1,915	50	30	0.00	3.0000	1200.00	0.00	6.38	1206.38	170.48	1376.86
Sheller Lima Beans	acre	4,416	50	25	0.00	9.0000	3600.00	0.00	12.36	3612.36	425.88	4038.24
Sheller S. Peas	acre	4,416	50	25	0.00	6.0000	2400.00	0.00	12.36	2412.36	425.88	2838.24

## Notes:

Labor: Includes allocated labor from the durable input.

Total Direct: Does not include interest on operating capital.

**Appendix Table 7. Operating Inputs:** Estimated Price. Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
dollars		
CUSTOM		
Broker Fee S-Berries	flat	1.00
Contract Plt BPepper	1000pl	13.75
Custom Apply Fert	acre	8.50
Custom Haul Swt. Pot	acre	70.00
Custom Skid Loader-2	acre	13.63
CustomHarvest Tomato	box	1.00
Fuel Skid Loader (2)	acre	9.64
Pick Strawberries	flat	1.70
Scouting Sweetpotato	acre	15.00
Site Prep w/Dozer	acre	213.00
Trapping	acre	1.00
FERTILIZER		
32% Liquid Nitrogen	qt	12.99
Amm Nitrate (34%)	cwt	17.00
Amm. Sulfate(21%N)	lb	0.19
Boron (20% Sol)	lb	1.29
Calcium Nitrate	lbs	0.29
Calcium Nitrate	lb	0.29
CalciumNitrateMelon	lb	0.29
Elemental Sulfur	lbs	0.18
Fert 10-10-10	lb	0.18
Fert 10-10-10	cwt	18.00
Fert 13-13-13	cwt	12.00
Fert 15-30-15	lb	0.38
Fert 5-20-30+S+B	cwt	25.05
Lime (Spread)	ton	34.00
Liquid Lime Sulfur	gal	11.41
Phosphorus(46% P205)	cwt	15.00
Potash (60% K20)	cwt	14.00
Potassium Nitrate	lb	0.45
Potassium Sulfate	lb	0.27
Sul-Po-Mag	lb	0.21
Sulfur - wetable	lb	20.00
Triple Superphosphat	lb	0.30
Zinc Sulfate 31%	lb	0.41
FRUIT / NUT		
Anchors	each	6.65
BackPack Sprayer	Appl	3.87
Bamboo Stakes	each	0.30
Blackberry Plants	each	2.75

Brace Posts (3"x7')	each	1.00
Burlap bag	each	0.60
Elite 45DF	lb	48.12

Appendix Table 7 continued.. Operating Inputs: Estimated Price. Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
		dollars
End Post Anchors	each	6.90
End Post Wine Grapes	each	22.00
Foliar Analysis	acre	90.00
Grow Tubes	each	0.85
Harvest Sacks	each	111.00
Line Posts Metal	each	6.25
Lugs (grapes)	each	4.00
Metal posts - rebar	each	111.00
Mkting Labor Peach	hr	8.00
Muscadine (quart)	quart	1.00
Muscadine Vine	each	1.00
Peach Trees	each	6.64
Rovral 4F	pt	19.83
Tighteners	each	2.50
Wine Grape Vines	each	1.75
Wire - Blackberry	ft	0.01
Wire - Wine Grape	ft	0.01
Wire Links - W.Grape	each	2.15
Wire Vises - W.Grape	each	1.65
Wood Post 3" x 7'	each	1.00
Wooden Posts	each	1.00
FUNGICIDE		
Abound	oz	1.88
Basic Copper Sulfate	lb	1.21
Bravo Weather Stick	pt	5.55
Captan 50 WP	lb	3.57
Captan 80WP	lb	4.54
Dithane Rainshield	lb	2.49
Elast 400F	gal	45.00
Elevate 50 WDG	lb	30.03
Elite 50WP	oz	3.20
Enable 2F	oz	1.50
Endosulfan 3EC	pt	3.75
Ferbam	lb	11.32
Indar 75WSP	oz	7.15
Kocide 101	lb	2.56
Kocide DF	lb	2.92
Manzate 75 DF	lb	2.55
Nova 40W	oz	4.14
Pristine	oz	1.96



Prophyt	pt	4.40
Propimax EC	oz	2.27
Quadris	oz	1.91

Appendix Table 7 continued.. Operating Inputs: Estimated Price. Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
		dollars
Ridomil Gold EC	oz	5.83
Ridomil Gold MZ	lb	11.74
Super-Tin 80WP	oz	1.95
Switch	oz	4.22
HERBICIDE		
Atrazine 4L	pt	1.18
Casaron 4G	lb	1.93
Chateau WDG	oz	5.10
Command 3ME	pt	12.06
Curbit EC	pt	5.15
Dervinol 50DF	lb	8.00
Dual II Magnum	pt	13.55
Dual Magnum	pt	12.75
Fusilade DX	pt	18.05
Gallery 75DF	oz	7.44
Glyphomax	pt	3.49
Glystar Plus	pt	2.32
Goal 2XL	pt	10.93
Gramoxone Inteon	pt	2.67
Gramoxone Max	pt	4.86
Poast 1.53	pt	8.64
Poast Plus	pt	6.37
Princep 4L	gal	17.76
Prowl	quart	5.74
Roundup Weathermax	gal	41.20
Roundup Weathermax	pt	5.15
Roundup Weathermax	oz	0.32
Select 2EC	oz	1.46
Simazine 4l	qt	3.60
Solicam DF	lb	18.68
Surflan AS	qt	20.22
Treflan HFP	pt	2.33
INSECTICIDE		
Admire 2F	pt	76.48
Agri-Mek	oz	5.40
Ambush 25WP	lb	11.00
Asana XL	oz	0.72
Baythrod XL	oz	2.69
Brigade WSB	lb	20.86
Capture 2EC	oz	2.45

Confirm 2F	oz	1.46
Damitol 2.4EC	fl oz	1.17
Diazion AG500	pt	4.27

**Appendix Table 7 continued... Operating Inputs:** Estimated Price. Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
dollars		
Dimethoate 4EC	pt	4.23
Dipel ES	pt	3.91
Endosulfan 3E	pt	3.75
Furadan 4 F	pt	8.71
Guthion 2L	pt	0.00
Imidan 70 WSB	lb	8.34
K-Pam	Gal	7.25
Kelthane MF	pt	4.95
Lannate LV	pt	7.09
Lorsban 4E	pt	4.29
Malathion 57EC	pt	2.63
Malathion 5E	pt	3.23
Orthene 90 WSP	lb	7.50
Penncap-M	pt	3.48
Sevin 80WSP	lb	6.50
Sevin XLR Plus	qt	7.47
Spintor	oz	4.63
Telone II	gal	13.84
Warrior ZT	oz	2.20
OTHER		
1/2 of water needed	100gal	0.25
15g tub Bell Pepper	each	7.50
5-Gal Bucket	each	3.00
Bag Sealer	Hour	14.66
Bag-secure row cover	each	0.10
BB Mkting Fee TN-Ark	lb	0.15
BB Mkting Fee MS,AL,La	lb	0.15
Bee Hive	each	50.00
Bin Repair	each	60.00
Bin Sweet Potato	each	60.00
Bin Vegetable	each	75.00
Blackberry Pint	each	0.03
Blueberry Flat	each	0.84
Box Cabbage	each	1.70
Box Sweet Potato	each	1.22
Box Tomato	Box	1.39
Boxes-Waxed	each	1.20
Broker Sweet Potato	box	1.00
Bushel Box	each	1.20
Clamshell Package	each	0.25
Clean, grade, pack	box	2.00

Cooling Box - Greens Box 0.25  
 Cooling Snap Beans Bu Box 0.75  
 Cooling Box S.Cabbage Box 0.25

**Appendix Table 7 continued... Operating Inputs:** Estimated Price. Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
		dollars
Cost of PumpingWater	6" in	24.00
Cost of Water	6" ac	445.00
Crate Sweetpotato	each	8.00
Crates - Sweet Corn	each	1.25
Crop oil Conc. (Veg)	pt	2.12
Dormant Oil	gal	6.00
Drip Tape (6000Ft)	Roll	155.00
Field Box	each	13.45
Grain Drill 10' NRCS	acre	5.00
Grd & Pack S.Cabbage	Box	1.40
Hand Weeding Swt.Pot	acre	20.00
Harv.Labor S.Cabbage	box	1.35
Harvest Crates	each	12.50
Harvest Labor Melons	cwt	2.00
Harvest Labor Pepper	bu	0.70
Harvest Tomatoes	box	0.75
Hauling	trip	25.00
Ice	cwt	7.10
Ice + Cooling	crat	0.70
Ice + Cooling	box	0.75
Irri. Setup 5' 20gpm	8712ft	466.00
Irri. Setup 6' 16gpm	7260ft	462.00
Irri. Setup 8' 12gpm	5445ft	455.00
Labor Clean up	acre	100.00
Labor Grading Bean	Hour	6.44
Labor (Packing)	each	0.75
M-Pede Insect Soap	pt	2.12
Marketing Fee	box	1.00
Mulch - MS,AL,LA.	cu yd	10.00
Mulch - TN & ARK	cu yd	15.00
Mythl Bromide 67/33	lb	3.00
Pallet Crates-1000lb	each	11.00
Plastic Mulch 5ft	4000ft	150.00
Plastic string	6000ft	8.00
Pruner (Hand)	each	45.00
Rec. Belt Conveyor	Hour	1.43
Refrigeration-chill	month	375.00
Rotary Packing Table	Hour	7.19
Row Covers	roll	147.00
Sacks - S Peas	each	0.65

Sheller w/Cleaner	Hour	7.43
Soil Test	each	6.00
Soil Test Probe	each	75.00

Appendix Table 7 continued.. Operating Inputs: Estimated Price. Alabama, MALTAG 2008

ITEM NAME	UNIT	PRICE
		dollars
Stacking Bins	each	2.00
Storage Sweet potato	cwt	2.00
Strawberry Flat	each	0.84
Strawberry Pint	each	0.03
Surfactant Non Ionic	pt	1.00
Tissue Sample SBerry	each	4.50
Wood Stakes	100	15.00
SEED/PLANTS		
Blueberry Plants T-A	each	2.65
Blueberry Plts M,A,L	each	1.80
Broccoli - Hybrid	thou	34.22
Broccoli - Hybrid	lb	801.00
Cabbage - Hybrid	thou	29.85
Cabbage - Hybrid	lb	453.00
Collard Seed - OP	lb	9.00
Collard Seed-Hybrid	lb	169.00
Cucumber - Hybrid	lb	105.00
Fescue Seed	lb	1.20
Grass Seed BB	lb	4.70
Greens - Hybrid	lb	80.00
Greens-OP	lb	10.00
Lima Bean-Hybrid	lb	24.00
Millet	lb	0.50
Mustard Seed-Hybrid	lb	20.00
Okra-Hybrid	lb	151.00
Okra-OP	lb	5.00
Pecan Seedlings	each	16.00
Pepper Plants	100plt	9.00
Pumpkin Seed Hybrid	lb	188.00
Snap Beans - Hybrid	lb	5.00
Southern Peas-OP	lb	2.00
Soybeans (Conv.)	lb	0.38
Squash-Hybrid	lb	165.00
Strawberry Plants	100	8.00
Sweet Corn (Hybrid)	lb	9.00
Sweetpotato Plants	thous	25.00
Tomato - Hybrid	lb	16004.00
Tomato Plants-Hybrid	thous	144.75
Turnip - Hybrid	lb	52.00
Turnip Seed - OP	lb	10.00
Watermelon-Hybrid	lb	823.00

Watermelon-OP      lb      27.00

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Appendix Table 8. Allocated cost items: estimated costs. Alabama, MALTAG 2008

ITEM NAME	DOLLARS PER ACRE	% OF INCOME	% OF DIRECT EXPENSES	% OF TOTAL EXPENSES
Land	42.75			
Management				8.25
Overhead			12.50	