

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		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-----				
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 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
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 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-----				
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									22.00	182.16					182.16
Clamshell Package	each											667.0000	0.25	166.75		166.75
Fruit to Field Edge				3.00	May											
Traylor Fruit 4'x6'	trip	4 x 4	1.000			7.61	19.52	0.40	0.86	3.00	30.63					59.02
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				1.00	Jun											
Hand Labor	hour									8.00	66.24					66.24
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
Switch	oz											7.0000	4.22	29.54		29.54
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	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
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
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

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-----			
Cane Removal				1.00	Aug										
Hand Labor	hour									15.00	124.20				124.20
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)	12 ft	MFWD 50 hp	0.500			1.14	0.91	0.02	0.11	0.16	1.68				3.86
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						79.68	117.13	10.24	25.47	244.68	2063.00			2325.98	6635.61
INTEREST ON OPERATING CAPITAL															121.25
UNALLOCATED LABOR															39.21
TOTAL SPECIFIED COST															6796.07

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



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 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									133.00	1101.24				1101.24
Clamshell Package	each											4000.0000	0.25	1000.00	1000.00
Fruit to Field Edge				17.00	Jun										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			43.14	110.60	2.27	4.89	17.00	173.57				334.47
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									67.00	554.76				554.76
Clamshell Package	each											2000.0000	0.25	500.00	500.00
Fruit to Field Edge				8.00	Jul										
Traylor Fruit 4'x6'	trip	4 x 4	1.000			20.30	52.05	1.07	2.30	8.00	81.68				157.40
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

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										
Trailer 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										
Trailer 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.