

Table 8.E Summary of estimated costs and returns per acre
 Strawberry, fresh market
 Irrigated, 6 ft spacing, 16 gpm, 7260 ft of drip tape, Alaba

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					

TOTAL INCOME				0.00	_____
DIRECT EXPENSES					
FERTILIZER	acre	664.47	1.0000	664.47	_____
FUNGICIDE	acre	528.03	1.0000	528.03	_____
HERBICIDE	acre	23.72	1.0000	23.72	_____
INSECTICIDE	acre	393.08	1.0000	393.08	_____
SEED/PLANTS	acre	3544.20	1.0000	3544.20	_____
MARKETING SUPPLIES	acre	2868.00	1.0000	2868.00	_____
IRRIGATION SUPPLIES	acre	429.60	1.0000	429.60	_____
PLASTIC MULCH	acre	280.00	1.0000	280.00	_____
FIELD MANAGEMENT	acre	1308.50	1.0000	1308.50	_____
Hand Labor	hour	10.95	179.2201	1962.43	_____
Harvest Labor	hour	10.95	91.0000	996.45	_____
Irrigation Labor	hour	10.95	3.6500	39.97	_____
Operator Labor	hour	13.69	11.7180	160.44	_____
Planting Labor	hour	10.95	7.9949	87.55	_____
DIESEL FUEL	gal	2.70	39.3940	106.46	_____
REPAIR & MAINTENANCE	acre	28.31	1.0000	28.31	_____
INTEREST ON OP. CAP.	acre	258.06	1.0000	258.06	_____

TOTAL DIRECT EXPENSES				13679.27	_____
RETURNS ABOVE DIRECT EXPENSES				-13679.27	_____
TOTAL FIXED EXPENSES				595.07	_____

TOTAL SPECIFIED EXPENSES				14274.34	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-14274.34	_____

Note: Cost of production estimates are based on 2018 input prices.

Bucket cost detailed summary: $430.40 + 573.60 + 717.60 + (573.60 \times 2) + (286.40 \times 2) = 3441.60$.

In tomato, there are two items--harvest boxes (\$1,700) and buckets, but strawberry does not harvest boxes. So, if we want to add harvest boxes we may be able to justify the cost(\$2,460).

Hand Labor	hour										4.00	43.80					43.80
Row Covers	roll													7.0000	147.00	1029.00	1029.00
Secure Row Covers				1.00	Nov												
Hand Labor	hour										2.00	21.90					21.90
Bag-secure row cover	each												2500.0000	0.10	250.00		250.00
Row Covers S.Berry				1.00	Dec												
Hand Labor	hour										6.00	65.70					65.70
Weed and Clean				1.00	Dec												
Hand Labor	hour										24.00	262.80					262.80
Row Covers S.Berry				1.00	Dec												
Hand Labor	hour										6.00	65.70					65.70
Row Covers S.Berry				1.00	Jan												
Hand Labor	hour										6.00	65.70					65.70
Rotary Cutter	7 ft	2WD 75 hp	0.169	1.00	Jan	1.93	1.07	0.56	0.43	0.16	2.32						6.31
Hand Labor	hour										12.00	131.40					131.40
Weed and Clean				1.00	Jan												
Hand Labor	hour										40.00	438.00					438.00
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jan	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Captan 50 WP	lb												4.0000	5.53	22.12		22.12
Pest scouting SBerry				4.00	Feb												
Hand Labor	hour										4.00	43.80					43.80
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Feb	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Gramoxone Max	pt												0.2500	4.97	1.24		1.24
Crop oil Conc. (Veg)	pt												2.0000	2.51	5.02		5.02
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Feb	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Brigade WSB	lb												3.2000	20.73	66.34		66.34
Irrigate & Check				1.00	Feb												
Irrigation Labor	hour										0.20	2.19					2.19
Ridomil Gold EC	oz												16.0000	5.95	95.20		95.20
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Feb	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Lorsban 4E	pt												2.0000	6.42	12.84		12.84
Monitor Nitrates				2.00	Mar												
Hand Labor	hour										0.50	5.48					5.48
Tissue Sample SBerry	each												2.0000	4.50	9.00		9.00
Weed and Clean				1.00	Mar												
Hand Labor	hour										10.00	109.50					109.50
Fertigation				1.00	Mar												
Irrigation Labor	hour										0.20	2.19					2.19
32% Liquid Nitrogen	qt												12.9200	12.99	167.83		167.83
Sul-Po-Mag	lb												10.0000	0.21	2.10		2.10
Boron (20% Sol)	lb												0.6300	0.40	0.25		0.25
Row Covers S.Berry				1.00	Mar												
Hand Labor	hour										6.00	65.70					65.70
Row Covers S.Berry				1.00	Mar												
Hand Labor	hour										6.00	65.70					65.70
Pest scouting SBerry				2.00	Mar												
Hand Labor	hour										2.00	21.90					21.90
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Mar	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Brigade WSB	lb												3.2000	20.73	66.34		66.34
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Mar	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Captan 50 WP	lb												4.0000	5.53	22.12		22.12

Row Covers S.Berry					1.00	Mar												
Hand Labor	hour											6.00	65.70					65.70
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Hand Labor	hour											6.00	65.70					65.70
Irrigate & Check					1.00	Mar												
Irrigation Labor	hour											0.20	2.19					2.19
Ridomil Gold EC	oz													16.0000	5.95	95.20		95.20
Fertigation					1.00	Mar												
Irrigation Labor	hour											0.20	2.19					2.19
32% Liquid Nitrogen	qt													12.9200	12.99	167.83		167.83
Sul-Po-Mag	lb													10.0000	0.21	2.10		2.10
Spray (Broadcast)	27'	2WD	50 hp	0.062	1.00	Mar	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Elevate 50 WDG	lb													1.5000	35.55	53.33		53.33
Fertigation					1.00	Apr												
Irrigation Labor	hour											0.20	2.19					2.19
Sul-Po-Mag	lb													10.0000	0.21	2.10		2.10
Calcium Nitrate	lb													67.7400	0.20	13.55		13.55
Monitor Nitrates					1.00	Apr												
Hand Labor	hour											0.25	2.74					2.74
Tissue Sample SBerry	each													1.0000	4.50	4.50		4.50
Spray (Broadcast)	27'	2WD	50 hp	0.062	1.00	Apr	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Agri-Mek	oz													16.0000	3.59	57.44		57.44
Spray (Broadcast)	27'	2WD	50 hp	0.062	1.00	Apr	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Elevate 50 WDG	lb													1.5000	35.55	53.33		53.33
Nova 40W	oz													5.0000	4.00	20.00		20.00
Fertigation					1.00	Apr												
Irrigation Labor	hour											0.25	2.74					2.74
Potassium Nitrate	lb													53.8500	0.36	19.39		19.39
Harvest Strawberries					1.00	Apr												
Trailer Utility	10 ft	2WD	50 hp	0.600			4.57	2.66	0.09	0.33	0.60	8.21						15.86
Harvest Labor	hour											9.00	98.55					98.55
Strawberry Bucket	4 qrt.													358.0000	0.80	286.40		286.40
Spray (Broadcast)	27'	2WD	50 hp	0.062	1.00	Apr	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Captan 50 WP	lb													4.0000	5.53	22.12		22.12
Agri-Mek	oz													16.0000	3.59	57.44		57.44
Harvest Strawberries					1.00	Apr												
Trailer Utility	10 ft	2WD	50 hp	0.600			4.57	2.66	0.09	0.33	0.60	8.21						15.86
Harvest Labor	hour											14.00	153.30					153.30
Strawberry Bucket	4 qrt.													538.0000	0.80	430.40		430.40
Monitor Nitrates					1.00	May												
Hand Labor	hour											0.25	2.74					2.74
Tissue Sample SBerry	each													1.0000	4.50	4.50		4.50
Fertigation					1.00	May												
Irrigation Labor	hour											0.20	2.19					2.19
Potassium Nitrate	lb													53.8500	0.36	19.39		19.39
Spray (Broadcast)	27'	2WD	50 hp	0.062	1.00	May	0.48	0.28	0.15	0.20	0.09	1.20						2.31
Elevate 50 WDG	lb													1.5000	35.55	53.33		53.33
Rally	oz													5.0000	3.59	17.95		17.95
Harvest Strawberries					1.00	May												
Trailer Utility	10 ft	2WD	50 hp	0.600			4.57	2.66	0.09	0.33	0.60	8.21						15.86
Harvest Labor	hour											18.00	197.10					197.10

Strawberry Bucket	4	qrt.												717.0000	0.80	573.60	573.60		
Fertigation					1.00	May													
Irrigation Labor	hour										0.20	2.19					2.19		
Calcium Nitrate	1b													45.1600	0.20	9.03	9.03		
Harvest Strawberries					1.00	May													
Trailer Utility	10 ft	2WD 50 hp	0.600				4.57	2.66	0.09	0.33	0.60	8.21					15.86		
Harvest Labor	hour										23.00	251.85					251.85		
Strawberry Bucket	4	qrt.												897.0000	0.80	717.60	717.60		
Harvest Strawberries					1.00	May													
Trailer Utility	10 ft	2WD 50 hp	0.600				4.57	2.66	0.09	0.33	0.60	8.21					15.86		
Harvest Labor	hour										18.00	197.10					197.10		
Strawberry Bucket	4	qrt.												717.0000	0.80	573.60	573.60		
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May		0.48	0.28	0.15	0.20	0.09	1.20					2.31		
Elevate 50 WDG	1b													1.5000	35.55	53.33	53.33		
Nova 40W	oz													5.0000	4.00	20.00	20.00		
Harvest Strawberries					1.00	May													
Trailer Utility	10 ft	2WD 50 hp	0.600				4.57	2.66	0.09	0.33	0.60	8.21					15.86		
Harvest Labor	hour										9.00	98.55					98.55		
Strawberry Bucket	4	qrt.												358.0000	0.80	286.40	286.40		
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	May		6.70	3.72	0.13	2.78	0.58	8.07					21.40		
Take up Reel (Mulch	1 Row	2WD 75 hp	0.588	1.00	May		6.69	3.71	0.42	1.79	0.58	8.05					20.66		
Hand Labor	hour										6.00	65.70					65.70		
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May		0.48	0.28	0.15	0.20	0.09	1.20					2.31		
Gramoxone Max	pt													1.5000	4.97	7.46	7.46		
Irrigation Setup	acre				Jan									1.0000			458.62		
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TOTALS							116.30	65.63	18.47	70.82	293.58	3246.84						10039.60	14016.28
INTEREST ON OPERATING CAPITAL																			258.06
UNALLOCATED LABOR																			0.00
TOTAL SPECIFIED COST																			14274.34

Note: Cost of production estimates are based on 2018 input prices.

Table 8.L Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Strawberry, fresh market
 Irrigated, 6 ft spacing, 16 gpm, 7260 ft of drip tape, Alabama, 2019

			-----BREAKEVEN PRICE-----										
Strawberries			3.40	3.58	3.78	4.02	4.30	4.64	5.05	5.56	6.22	7.11	8.34
PERCENT	YIELD	UNIT	-----dollars-----										
50	1537.50	4 qt	-7000	-6728	-6415	-6050	-5619	-5101	-4468	-3677	-2660	-1303	595
			-7595	-7324	-7011	-6645	-6214	-5696	-5063	-4272	-3255	-1898	0
60	1845.00	4 qt	-6240	-5915	-5539	-5101	-4583	-3962	-3202	-2253	-1032	595	2873
			-6835	-6510	-6134	-5696	-5178	-4557	-3797	-2848	-1627	0	2278
70	2152.50	4 qt	-5481	-5101	-4663	-4151	-3547	-2822	-1936	-829	595	2493	5152
			-6076	-5696	-5258	-4747	-4142	-3417	-2531	-1424	0	1898	4557
80	2460.00	4 qt	-4721	-4287	-3786	-3202	-2512	-1683	-670	595	2222	4392	7430
			-5316	-4882	-4381	-3797	-3107	-2278	-1265	0	1627	3797	6835
90	2767.50	4 qt	-3962	-3473	-2910	-2253	-1476	-544	595	2019	3850	6291	9709
			-4557	-4068	-3505	-2848	-2071	-1139	0	1424	3255	5696	9114
100	3075.00	4 qt	-3202	-2660	-2034	-1303	-440	595	1860	3443	5477	8190	11987
			-3797	-3255	-2629	-1898	-1035	0	1265	2848	4882	7595	11392
110	3382.50	4 qt	-2443	-1846	-1157	-354	595	1734	3126	4867	7105	10089	14266
			-3038	-2441	-1752	-949	0	1139	2531	4272	6510	9494	13671
120	3690.00	4 qt	-1683	-1032	-281	595	1630	2873	4392	6291	8732	11987	16545
			-2278	-1627	-876	0	1035	2278	3797	5696	8137	11392	15950
130	3997.50	4 qt	-923	-218	595	1544	2666	4012	5658	7715	10360	13886	18823
			-1519	-813	0	949	2071	3417	5063	7120	9765	13291	18228
140	4305.00	4 qt	-164	595	1471	2493	3702	5152	6924	9139	11987	15785	21102
			-759	0	876	1898	3107	4557	6329	8544	11392	15190	20507
150	4612.50	4 qt	595	1408	2347	3443	4737	6291	8190	10563	13615	17684	23380
			0	813	1752	2848	4142	5696	7595	9968	13020	17089	22785

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 2018 input prices.