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 EXI	PENSES			-13679.27		
TOTAL FIXED EXPENSES				595.07		
TOTAL SPECIFIED EXPENSES	5			14274.34		
RETURNS ABOVE TOTAL SPEC	_	EXPENSES		-14274.34		

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



Table 8.A Estimated resource use and costs for field operations, per acre
Strawberry, fresh market
Irrigated, 6 ft spacing, 16 gpm, 7260 ft of drip tape, Alabama, 2019

						POWER UN	IT COST	EQUIPME	NT COST	ALLOC	LABOR	OPERATING	DURABL	E INPUT	
OPERATION/	SIZE/	POWER UNIT	PERF	TIMES											TOTAL
OPERATING INPUT	UNIT	SIZE	RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	COST
							dol	lars			dollars	-		-dollars	
Hand Labor	hour			1.00	Jun					0.50	5.48				5.48
Soil Test	each											1.0000	7.00	7.00	7.00
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Jun	2.26	1.25	0.43	1.02	0.19	2.72				7.68
Custom Apply Fert	acre			1.00	Jun							1.0000	8.50	8.50	8.50
Lime (Spread)	ton											1.0000	38.00	38.00	38.00
Fert Sprd Pull Type	10 ft	2WD 75 hp	0.235	1.00	Jun	2.68	1.49	2.37	10.11	0.23	3.23				19.88
Fert 10-10-10	1b											300.0000	0.29	87.00	87.00
Fert Sprd Pull Type	10 ft	2WD 75 hp	0.235	1.00	Jun	2.68	1.49	2.37	10.11	0.23	3.23				19.88
Millet	1b											40.0000	0.50	20.00	20.00
Soybeans (RR)	lb											80.0000	0.74	59.20	59.20
Cultipacker	12 Ft	2WD 75 hp	0.124	1.00	Jun	1.45	0.97	0.16	0.25	0.12	1.70				4.53
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Aug	2.26	1.25	0.43	1.02	0.19	2.72				7.68
Chisel Plow	8 Ft	2WD 75 hp	0.220	2.00	Aug	5.01	2.78	1.19	2.31	0.44	6.03				17.32
Sub-Soiler	1 shank	2WD 75 hp	1.078	1.00	Aug	12.26	6.80	0.33	0.92	1.07	14.76				35.07
Disk Harrow	10 Ft	2WD 75 hp			Aug	2.26	1.25	0.43	1.02	0.19	2.72				7.68
Chisel Plow	8 Ft	2WD 75 hp	0.220	1.00	Sep	2.51	1.39	0.59	1.15	0.22	3.02				8.66
Fert Sprd Pull Type	10 ft	2WD 75 hp			-	2.68	1.49	2.37	10.11	0.23	3.23				19.88
Amm Nitrate (34%)	1b	-			-							175.0000	0.28	49.00	49.00
Potassium Sulfate	1b											120.0000	0.27	32.40	32.40
Triple Superphosph	nat lb											100.0000	0.46	46.00	46.00
BS,L,T,Fung S Berry		2WD 75 hp	1.078	1.00	Sep	12.26	6.80	3.77	12.06	4.31	50.19				85.08
Plastic Mulch 5 ft				_,,,	JOF			•••			20122	2.0000	140.00	280.00	280.00
Drip Tape (6000Ft)												1.3000		202.80	202.80
Goal 2XL	pt											1.0000		10.00	10.00
Planter/Transplanter	_	2WD 75 hp	1.586	1.00	Oct	18.05	10.01	0.13	10.76	6.34	73.84	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			112.79
Hand Labor	hour	200 /3 115	1.500	1.00	000	10.05	10.01	0.13	20.70	30.00	328.50				328.50
Strawberry Plants	100									30.00	320.30	123.0000	27 50	3382.50	3382.50
Irrigation Setup	100			1.00	Oat							123.0000	27.30	3302.30	3302.30
1/2 of water needs	d 100cal			1.00	000							810.0000	0.28	226.80	226.80
Spray (Broadcast)	27'	2WD 50 hp	0 062	1.00	Oct	0.48	0.28	0.15	0.20	0.09	1.20	010.0000	0.20	220.00	2.31
Brigade WSB	lb	2WD 30 Hp	0.002	1.00	OCL	0.40	0.20	0.13	0.20	0.03	1.20	3.2000	20.73	66.34	66.34
Monitor Nitrates	10			1.00	045							3.2000	20.73	00.31	00.34
Hand Labor	hour			1.00	OCL					0.25	2.74				2.74
Tissue Sample SBer										0.25	2.74	1 0000	4 50	4.50	4.50
-	ry each			1 00	0							1.0000	4.50	4.50	4.50
Irrigation Setup	ha			1.00	OCE					2 00	21 00				21 00
Irrigation Labor	hour			1 00	0					2.00	21.90				21.90
Replant Strawberries				1.00	UCT					1 00	10.05				10 0-
Hand Labor	hour									1.00	10.95	2 222	05 50	00 50	10.95
Strawberry Plants	100	o :										3.0000	27.50	82.50	82.50
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Nov	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
Row Covers S.Berry				1.00	Nov										

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 co	ver 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	1b											4.0000	5.53	22.12	22.12
Pest scouting SBerry	У			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. (V	eg) 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	1b											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 SBe	rry 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 Nitrog	en qt											12.9200	12.99	167.83	167.83
Sul-Po-Mag	1b											10.0000	0.21	2.10	2.10
Boron (20% Sol)	1b											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 SBerr				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	1b											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	4 444-		00.77	2.31
Captan 50 WP	1b											4.0000	5.53	22.12	22.12

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
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 Nitroge	n qt											12.9200	12.99	167.83	167.83
Sul-Po-Mag	1b											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	1b											1.5000	35.55	53.33	53.33
Fertigation				1.00	Apr										
Irrigation Labor	hour									0.20	2.19				2.19
Sul-Po-Mag	1b											10.0000	0.21	2.10	2.10
Calcium Nitrate	1b											67.7400	0.20	13.55	13.55
Monitor Nitrates				1.00	Apr										
Hand Labor	hour									0.25	2.74				2.74
Tissue Sample SBer	ry 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	1b											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	1b											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 SBer	ry 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	1b											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			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
TOTALS						116.30	65.63	18.47	70.82	293.58	3246.84		1	10039.60	14016.28
INTEREST ON OPERATIN	G 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

							BRE	AKEVEN PR	ICE				
Strawb	erries		3.40	3.58	3.78	4.02	4.30	4.64	5.05	5.56	6.22	7.11	8.34
PERCEN	T 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	C
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.

