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	· <del></del>	
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 EX	PENSES			-13679.27		
TOTAL FIXED EXPENSES				595.07		
TOTAL SPECIFIED EXPENSE:	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	3/DURABI	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)	1b											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			_	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			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%)	lb	200 /0 115	0.255	1.00	DOP	2.00		2.37	-0	0.23	3.23	175.0000	0.28	49.00	49.00
Potassium Sulfate	lb											120.0000	0.27	32.40	32.40
Triple Superphosph												100.0000	0.46	46.00	46.00
BS,L,T,Fung S Berry		2WD 75 hp	1 070	1 00	Con	12.26	6.80	3.77	12.06	4.31	50.19	100.0000	0.40	40.00	85.08
Plastic Mulch 5 ft		2WD 75 11p	1.070	1.00	sep	12.20	0.00	3.77	12.00	4.31	30.19	2 0000	140.00	280.00	280.00
Drip Tape (6000Ft)												1.3000		202.80	202.80
Goal 2XL												1.0000		10.00	10.00
	pt	25/D 75 h-	1 506	1 00	0	10 05	10 01	0 12	10 76	c 24	72 04	1.0000	10.00	10.00	112.79
Planter/Transplanter		2WD 75 hp	1.566	1.00	OGE	18.05	10.01	0.13	10.76	6.34	73.84				
Hand Labor	hour									30.00	328.50	102 0000	07 50	2200 50	328.50
Strawberry Plants	100											123.0000	27.50	3382.50	3382.50
Irrigation Setup				1.00	OCE							010 0000			006.00
1/2 of water needs	_	o 1				0 40		0.15			1 00	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				2.31
Brigade WSB	1b											3.2000	20.73	66.34	66.34
Monitor Nitrates	_			1.00	Oct										
Hand Labor	hour									0.25	2.74				2.74
Tissue Sample SBer	ry each											1.0000	4.50	4.50	4.50
Irrigation Setup				1.00	Oct										
Irrigation Labor	hour									2.00	21.90				21.90
Replant Strawberries				1.00	Oct										
Hand Labor	hour									1.00	10.95				10.95
Strawberry Plants	100											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	1b											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	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	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	1b											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	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	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
TOTALS						116.30	65.63	18.47	70.82	293.58	3246.84		1	L0039.60	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

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

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.

