

Cost of Production - Strawberry		Unit	Qty/acre	Cost/Unit	Total/acre
Variable Costs					
Pre-Harvest					
Land preparation					
	Soil sampling (nutrient analysis)	Acre	1.00	15.00	15.00
	Lime/Gypsum	ton	1.00	55.00	55.00
	20-20-20	lb	300.00	0.32	94.50
	Plastic Mulch 48"x4000	Roll 4000	1.81	171.00	309.51
	Frost cover	24x1000 ft	2.00	1,000.00	2,000.00
	Labor	Hours	3.00	19.28	57.84
Planting					
	Transplanting Strawberry	each	12,000.00	0.35	4,200.00
Herbicide					
	Glufosinate-ammonium	oz	24.00	0.22	5.23
	Flumioxazin	oz	30.00	2.05	61.50
	Clethodim	pt	1.50	7.74	11.61
Fungicide					
	Captan	lb	30.00	2.81	84.38
	Cyprodinil Fludioxonil	oz	28.00	3.20	89.60
	Trifloxystrobin	oz	14.00	5.90	82.60
	Pyraclostrobin; Boscalid	oz	23.00	3.23	74.30
	Pyrimethanil	oz	18.00	1.72	30.94
Insecticide					
	Carbaryl	qt	4.00	18.25	73.00
	Bifenazate	lb	2.00	5.18	10.35
	Pyriproxyfen	oz	32.00	0.66	21.00
	Bifenthrin	oz	64.00	0.50	32.24
	Fenpropathrin	oz	32.00	1.41	45.00
	Spinetoram	oz	10.00	6.64	66.41
	Labor	Hours	35.00	19.28	674.80
Herb., Fung., Insect.					
Irrigation system					
	Running irrigation system Drip Line	\$	1.00	108.55	108.55
	(Fertigate) 7-0-7	lb	840.00	10.00	8,400.00
	Fertilizer Injector	Each	0.30	85.00	25.50
Set up fertigate					
	Labor	Hours	6.00	19.28	115.68
Set up irrigation					
	Labor	Hours	8.00	19.28	154.24
Harvest					
	Labor	Hour	150.00	19.28	2,892.00
	5 lbs Boxes Strawberry	Each	2,400.00	1.20	2,880.00
Overall					
Machinery					
Labor					
	Disk + Incorporate 10 with 2WD 75 hp with	hrs/acre	0.21	6.94	1.49
	Spray (Broadcast) 27 with 2WD 75 hp with	hrs/acre	0.07	6.94	0.45
	Mulch Lifter 1-Row with 2WD 75 hp with	hrs/acre	0.44	6.94	3.08
	Rotary Tiller 5 with 2WD 75 hp with	hrs/acre	0.73	6.94	5.07
	Take Up Reel (M&T) 1-Row with 2WD with 75 hp	hrs/acre	0.44	6.94	3.07
	Plntr/H2O Tomato 2R 6'cntr with 2WD with 75 hp	hrs/acre	3.13	6.94	21.74
	Plastic Layer Bed 6'cntr with 2WD with 75 hp	hrs/acre	0.81	6.94	5.63
Fuel					
	Disk + Incorporate 10 with 2WD 75 hp with	gal/acre	0.42	3.09	1.28
	Spray (Broadcast) 27 with 2WD 75 hp with	gal/acre	0.13	3.09	0.39
	Mulch Lifter 1-Row with 2WD 75 hp with	gal/acre	1.19	3.09	3.67
	Rotary Tiller 5 with 2WD 75 hp with	gal/acre	1.96	3.09	6.05
	Take Up Reel (M&T) 1-Row with 2WD with 75 hp	gal/acre	1.19	3.09	3.66
	Plntr/H2O Tomato 2R 6'cntr with 2WD with 75 hp	gal/acre	1.74	3.09	5.36
	Plastic Layer Bed 6'cntr with 2WD with 75 hp	gal/acre	2.18	3.09	6.73
R&M					
	Disk + Incorporate 10 with 2WD 75 hp with	\$/acre	0.05	1.16	0.06
	Spray (Broadcast) 27 with 2WD 75 hp with	\$/acre	0.01	0.24	0.00
	Mulch Lifter 1-Row with 2WD 75 hp with	\$/acre	0.05	0.75	0.04
	Rotary Tiller 5 with 2WD 75 hp with	\$/acre	0.05	3.95	0.20
	Take Up Reel (M&T) 1-Row with 2WD with 75 hp	\$/acre	0.05	1.79	0.09
	Plntr/H2O Tomato 2R 6'cntr with 2WD with 75 hp	\$/acre	0.05	3.65	0.18
	Plastic Layer Bed 6'cntr with 2WD with 75 hp	\$/acre	0.05	3.68	0.18
	Irrigation System R&M Drip Line	\$/acre	1.00	91.96	91.96
Cleanup field					
	Labor	Hour	16.00	19.28	308.48
Interest on operating expenses					
	Interest rate	%	23,264.67	0.09	4,071.32
	Crop Insurance - Fruit and Vegetable*	\$	1.00	125.00	125.00
Total Variable Costs					27,335.98
*Based on USDA FSA NAP Insurance administrative fee of \$325/crop assuming 2.6 acres of production.					
Fixed Costs					
	Irrigation depreciation	System	1.00	262.74	262.74
	Disk + Incorporate 10 with 2WD 75 hp with	\$/acre	0.05	2.95	0.15
	Spray (Broadcast) 27 with 2WD 75 hp with	\$/acre	0.01	0.76	0.01
	Mulch Lifter 1-Row with 2WD 75 hp with	\$/acre	0.05	6.33	0.32
	Rotary Tiller 5 with 2WD 75 hp with	\$/acre	0.05	9.37	0.47
	Take Up Reel (M&T) 1-Row with 2WD with 75 hp	\$/acre	0.05	8.38	0.42
	Plntr/H2O Tomato 2R 6'cntr with 2WD with 75 hp	\$/acre	0.05	9.82	0.49
	Plastic Layer Bed 6'cntr with 2WD with 75 hp	\$/acre	0.05	11.09	0.55
	Misc. Overhead	%	27,335.98	0.07	1,913.52
	Land ownership	-	-	-	-
Total Fixed Costs					2,178.67
TOTAL COSTS					29,514.65
Total receipts					48,000.00
Return to land and capital					18,485.35
Initial Capital Investment					
\Data base\Drip Line - Irrigation System.xlsx	System	1.00	1,839.20	1,839.20

Return to land and capital

Price/acre/yield	YIELD				
	-20%	-10%	Expected	10%	20%
9,600.00	10,800.00	12,000.00	13,200.00	14,400.00	
\$3.20	\$1,205.35	\$5,045.35	\$8,885.35	\$12,725.35	\$16,565.35
\$3.60	\$5,045.35	\$9,365.35	\$13,685.35	\$18,005.35	\$22,325.35
\$4.00	\$8,885.35	\$13,685.35	\$18,485.35	\$23,285.35	\$28,085.35
\$4.40	\$12,725.35	\$18,005.35	\$23,285.35	\$28,565.35	\$33,845.35
\$4.80	\$16,565.35	\$22,325.35	\$28,085.35	\$33,845.35	\$39,605.35

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