Estimated Production Costs for Tomatoes in an Unheated High Tunnel 2008

Operation	Input	Unit	Quantity	Price	\$/tunnel	\$/sq ft
Materials and Machinery						
	plants	each	400	\$0.50	\$200.00	\$0.10
	black plastic mulch	sq foot	460	\$0.02	\$10.35	\$0.01
Irrigation System	Drip tape	linear foot	460	\$0.02	\$9.20	\$0.00
	row cover - light	sq foot	2000	\$0.03	\$60.00	\$0.03
	clips	each	200	\$0.15	\$30.00	\$0.02
	twine		1	\$7.00	\$7.00	\$0.00
	quadris and copper		1	\$20.00	\$20.00	\$0.01
	fertilizer	20 lb bag	3.5	\$5.00	\$17.50	\$0.01
	Epsom salt fert.	50 lb bag	1	\$25.00	\$25.00	\$0.01
	propane heat	gallon	75	\$2.50	\$187.50	\$0.09
Total					\$566.55	\$0.28
Production Labor						
	bed prep (lay plastic and drip)	hour	12	\$12.00	\$144.00	\$0.07
	planting	hour	3	\$12.00	\$36.00	\$0.02
	pruning and training	hour	21	\$12.00	\$252.00	\$0.13
	spraying (2x)	hour	2	\$12.00	\$24.00	\$0.01
	fertilize and irrigate	hour	2.5	\$12.00	\$30.00	\$0.02
	venting	hour	8	\$12.00	\$96.00	\$0.05
misc. labor	pest monitoring	hour	2	\$12.00	\$24.00	\$0.01
Total					\$606.00	\$0.30
<u>Harvesting</u>						
Harvesting and washing	labor	hr	17	*	=	*
End of season clean up	labor	hr	4	\$12.00	\$48.00	•
<u>Marketing</u>	labor - 14 week harvest	hr	4	\$12.00	\$48.00	T
Total					\$300.00	\$0.15

Production Details - 20x100 Hoover style tunnel. 2 double

rows that are 2' apart, 5 single rows 20" apart

Type of High Tunnel: Hoover

Tunnel Size (sq. ft.): 2000 (20x100)

Number of Plants: 400

Geronimo, Trust,

Variety or Cultivar: Sunbrite, Goliath

Marketing Channel: Farmers Markets, retail

Total yield = 5869 lbs. This was

a variety trial, so yield varied

Yield: considerably

Price received varied - see chart below

Income		unit	quantity	price	per tunnel	/sq foot
	canning (25%)	lb	1467.25	\$0.38	\$557.56	\$0.28
	retail (50%)	lb	2934.5	\$2.39	\$7,013.46	\$3.51
	cull (25%)	lb	1467.25	\$0.00	\$0.00	\$0.00
Total Revenue	tomatoes - all grades	lb	5869		\$7,571.01	\$3.79
Total Variable Costs					\$1,472.55	\$0.74
Annual Fixed Costs	\$650.00	sq foot	2000	\$0.33	\$650.00	\$0.33
Net Income					\$5,448.46	\$2.72

Fixed costs				
Construction Costs	materials la	abor	per year cost for total HT	per year cost /sq foot
frame (10 year life)	\$2,500.00		\$250.00	\$0.13
hardware	\$500.00		\$50.00	\$0.03
construction (including				
covering)		\$800.00	\$80.00	\$0.04
plastic (4 year life)	\$500.00		\$125.00	\$0.06
dosatron (5 yr life)	\$350.00		\$70.00	\$0.04
electric & hose (4 yr. life)	\$100.00		\$25.00	\$0.01
heater (6 year life)	300		\$50.00	\$0.03
Annual fixed costs			\$650.00	\$0.33

Estimated Production Costs for Tomatoes in an Unheated High Tunnel 2009

Operation	Input	Unit	Quantity	Price	\$/tunnel	\$/sq ft
Materials and Machinery						
	plants	each	400	\$0.50	\$200.00	\$0.10
	black plastic mulch	sq foot	460	\$0.02	\$10.35	\$0.01
Irrigation System	Drip tape	linear foot	460	\$0.02	\$9.20	\$0.00
	row cover - light	sq foot	2000	\$0.03	\$60.00	\$0.03
	clips	each	200	\$0.15	\$30.00	\$0.02
	twine		1	\$20.00	\$20.00	\$0.01
	quadris and copper		1	\$45.00	\$45.00	\$0.02
	fertilizer	20 lb bag	3.5	\$5.00	\$17.50	\$0.01
	Epsom salt fert.	50 lb bag	1	\$25.00	\$25.00	\$0.01
	propane heat	gallon	75	\$2.50	\$187.50	\$0.09
Total					\$604.55	\$0.30
Production Labor						
	bed prep (lay plastic and drip)	hour	12	\$12.00	\$144.00	\$0.07
	planting	hour	3	\$12.00	\$36.00	\$0.02
	pruning and training	hour	21	\$12.00	\$252.00	\$0.13
	spraying (2x)	hour	2	\$12.00	\$24.00	\$0.01
	fertilize and irrigate	hour	4	\$12.00	\$48.00	\$0.02
	venting	hour	12	\$12.00	\$144.00	\$0.07
misc. labor	pest monitoring	hour	2	\$12.00	\$24.00	\$0.01
Total			56	\$12.00	\$672.00	\$0.34
Harvesting						
Harvesting and sorting	labor	hr	20	\$12.00	\$240.00	\$0.12
End of season clean up	labor	hr	4	\$12.00	\$48.00	\$0.02
<u>Marketing</u>	labor - 14 week harvest	hr	4	\$12.00	\$48.00	\$0.02
Total			28	\$12.00	\$336.00	\$0.17

Production Details - 20x100 Hoover style tunnel. 2 double rows that are 2' apart, 5 single rows 20" apart

Type of High Tunnel: Hoover

Tunnel Size (sq. ft.): 2000 (20x100)

Number of Plants: 400

Geronimo, Big Beef, Sunbrite, Mt. Fresh, Mt. Spring and 3 cherries: Sweet Olive, Sungold

Variety or Cultivar: and Lg Red Cherry
Marketing Channel: Farmers Markets, retail

Total yield = 5780 lbs. This was a variety trial, so yield varied

Yield: considerably

Price received varied - see chart below

Income		unit	quan	tity	price	per tunnel	/sq foot
	canning (25%)		b	1445	\$1.25	\$1,806.25	\$0.90
	retail (50%)	I	b	2890	\$2.39	\$6,907.10	\$3.45
	seconds (25%)	I	b	1445	\$0.40	\$578.00	\$0.29
Total Revenue	tomatoes - all grades	I	b	5780		\$9,291.35	\$4.65
Total Variable Costs						\$1,612.55	\$0.81
Annual Fixed Costs	\$650.00	sq foo	ot	2000	\$0.33	\$650.00	\$0.33
Net Income						\$7,028.80	\$3.51

Fixed costs					
				per year cost for	per year cost /sq
Construction Costs		materials	labor	total HT	foot
frame (10 year life)		\$2,500.00		\$250.00	\$0.13
	wiggle wire channel, screws,				
hardware	anchor	\$500.00		\$50.00	\$0.03
construction (including					
covering)			\$800.00	\$80.00	\$0.04
plastic (4 year life)		\$500.00		\$125.00	\$0.06
dosatron (5 yr life)		\$350.00		\$70.00	\$0.04
electric & hose (4 yr. life)		\$100.00		\$25.00	\$0.01
heater (6 year life)		300		\$50.00	\$0.03
Annual fixed costs				\$650.00	\$0.33