

***Estimated Production Costs for Hanging Petunia Baskets in an Unheated Tomato High Tunnel***  
**2008**

<b>Materials and Machinery</b>	<b>Quantity</b>	<b>\$/12"</b>	<b>cost per tunnel</b>
seed	175	\$0.75	\$131.25
potting soil	175	\$1.20	\$210.00
basket	175	\$1.00	\$175.00
fertilizer	175	\$0.50	\$87.50
irrigation water	175	\$0.10	\$17.50
transplant cost (greenhouse cost)	175	\$0.75	\$131.25
<b>Total</b>		<b>\$4.30</b>	<b>\$752.50</b>

<b>Production Labor</b>	<b>Unit</b>	<b>Quantity</b>	<b>Cost</b>	<b>\$/tunnel</b>	<b>\$/basket</b>
seeding	hour	1	\$12.00	\$12.00	\$0.07
transplanting	hour	4	\$12.00	\$48.00	\$0.27
potting and hanging baskets	hour	3.5	\$12.00	\$42.00	\$0.24
irrigation set up	hour	2	\$12.00	\$24.00	\$0.14
pinching and weekly maintenance	hour	5	\$12.00	\$60.00	\$0.34
pest monitoring	hour	1	\$12.00	\$12.00	\$0.07
4 week sales window	hour	4	\$12.00	\$48.00	\$0.27
				<b>\$198.00</b>	<b>\$1.13</b>

**Production Details -** 12-inch hanging baskets of 'Shock Wave' petunias were transplanted and hung on the hoop-cross pieces of a 20 by 120-foot unheated high tunnel. Baskets were hung at a density of 16 sq ft per basket, a total of 120 baskets. Mtn Fresh tomatoes were grown below them. This budget information reflects the trial that was determining if the baskets limited tomato production in the HT. According to the study, the baskets did negatively affect tomato yield, and the revenue from the baskets did not adequately compensate for that loss. This budget has extrapolated that study into information for a full tunnel, and does not consider the impact on the tomato crop.

Type of High Tunnel:	Hoover 2400 (20x120) Area available for hanging baskets is actually 2800 sq ft due to pitched roof surface
Tunnel Size (sq. ft.):	175 baskets, 4 plants in each
Number of Plants:	multiple colors of 'Shock Wave'
Variety or Cultivar:	petunias
Marketing Channel:	Finger Lakes Produce Auction
Price received	\$10.01

<b>Income</b>	<b>unit</b>	<b>quantity</b>	<b>price</b>	<b>per tunnel</b>
<b>Total Revenue</b>	basket	175	\$10.01	\$1,751.75

<b>Total Variable Costs</b>					\$950.50
<b>Annual Fixed Costs</b>	<b>\$595.00</b>	sq foot	2000	\$0.30	\$595.00
<b>Net Income</b>					<b>\$206.25</b>

#### Fixed costs

<b>Construction Costs</b>	materials	labor	per year	per year
			cost for total HT	cost /sq foot
frame (10 year life)	\$2,500.00		\$250.00	\$0.10
hardware	\$500.00		\$50.00	\$0.02
construction (including covering)		\$800.00	\$80.00	\$0.03
plastic (4 year life)	\$500.00		\$125.00	\$0.05
dosatron and irrigation system (5 yr life)	\$450.00		\$90.00	\$0.04
<b>Annual fixed costs</b>			<b>\$595.00</b>	<b>\$0.25</b>