



What is a High Tunnel?

High tunnels are plastic-covered, solar greenhouses which are used to lengthen the growing season and protect the crop(s) from stresses such as rain, wind, diseases, insects and wildlife.



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- 1. Uses solar heat. (back-up heaters optional)
- 2. No electricity (fans, heaters, vents, etc.)
- 3. Vented through sidewalls or endwalls.
- 4. Drip irrigated.
- 5. Ground culture.
- 6. Single layer of plastic (6-mil.)



















Manufacturer	Dimensions	Cost (US \$/ft ²)
Atlas Greenhouses	30 ft. x 96 ft.	0.74
Conley Greenhouse Mfg	24 ft. x 96 ft.	0.72
FarmTek	26 ft. x 96 ft.	1.16
Harnois Greenhouses	20 ft. x 96 ft.	0.97
Haygrove Tunnels	24 ft. x 200 ft.	0.75
Stuppy Greenhouse	20 ft. x 96 ft.	0.96
Zimmerman Welding	30 ft. x 96 ft.	1.00
Average	25 ft. x 96 ft.	0.94
	(2400 ft ²)	(\$1.50)

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- Relatively low-cost
- Highly productive
- Pest exclusion
- Season extension
- Facilitates diverse production
- Complement field production





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Increasing the height of the high tunnel by <u>3 feet</u> will increase usable bed space for crops and provide a higher sidewall for air movement.

Marginal returns > Marginal costs









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